

Can. Herald

MAR 13 '45

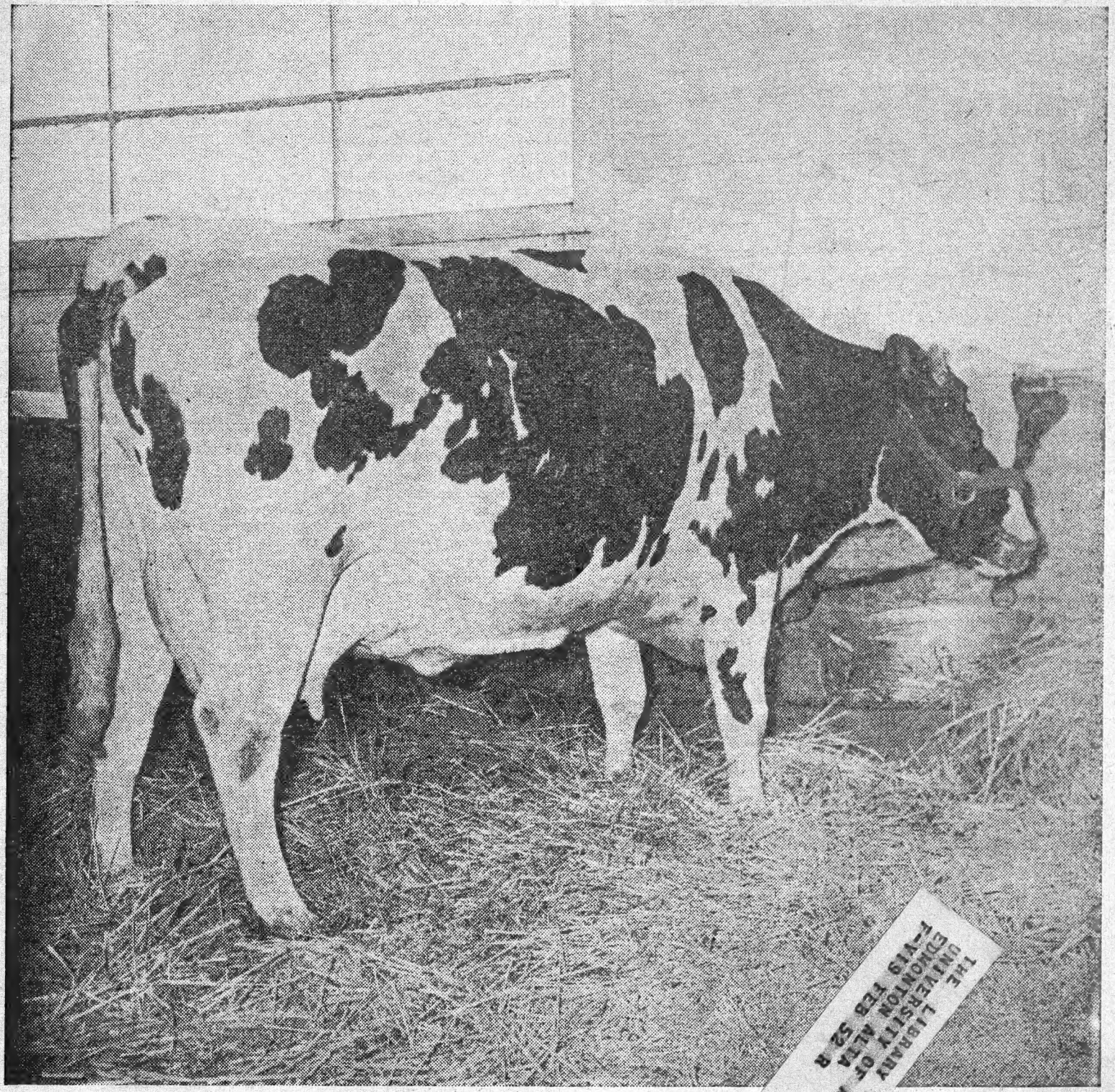
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Farm and Ranch Review

VOLUME XLI
NUMBER 3

CALGARY, ALBERTA
MARCH, 1945

FORTY-FIRST YEAR OF SERVICE TO WESTERN AGRICULTURE



• • • **WORLD CHAMPION**
Doncrest Peg Top Burke
(See Page 2)

Photo by Rosettia

Percentage In Pigs

SAVE MORE FROM
EVERY LITTER Page 17

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1945

Holstein Breaks Two Records On Twice-a-Day Milking

AN Alberta dairy farm is now the home of a cow that has just completed a production record which makes her a world champion on two counts. Stabled at Hays' Dairy, south of Calgary, is Doncrest Peg Top Burke, a purebred Holstein that in 365 days has produced 31,935 pounds of milk containing 1,108 pounds of butterfat, an average test of 3.47 per cent.

These figures, just released by Record of Performance Department at Ottawa, give her the greatest record for either milk or fat ever made on twice-a-day milking by any cow of any breed.

"Peg's" record was completed under the supervision of Mrs. Edythe L. Brown, Stouffville, Ontario, who, assisted by her teen-age son, Don, took over the management of their Lisnacalin farm following the death last spring of her husband, Captain A. Roy Brown, famed flier of the last war who shot down the German ace, Baron Von Richtofen. "Peg" was milked throughout the test by herdsman, Sam Adams.

The new champion produced very evenly throughout her lactation. Her best month was August, her eighth on test, when she averaged 113 lbs. daily with a top of 130 lbs. On her last day she gave 55 lbs.

"Peg" is a big cow weighing around 1,900 lbs. at the end of her lactation. Probably her outstanding physical characteristic is her wonderful udder. Not overly large, as is so frequently the case with big producers, it has wonderful quality. Said A. V. Langton, Director of Extension of the Holstein-Friesian Association of Canada, "I have never before examined a cow with such fine texture and quality of udder."

The previous world record for yearly production of milk on twice-a-day milking was 29,052 lbs., made by Pontiac Dutchland DeVries in the herd of Byron Rath, Mossley, Ont., in 1934. The former world champion for fat was the American cow, Winterthur Posch Donsegis Nobsgirl, owned by Winterthur Farms, Delaware, with 1,079 lbs. The Canadian champion for fat was Popular Pontiac Abbekerk, owned by Elliott Bros., Woodstock, Ont., with 1,050 lbs. as a senior four-year-old. All of the above animals are Holsteins.

"Peg" was bred by Porter Bros., Richmond Hill, Ont. Her sire is by Lonelm Rag Apple Baron C., from the Lonelm herd of Master Breeder George C. Jackson, Downsview, Ont., while her dam is a grand-daughter of Sir Francy Mercena Burke, who was a three-time All-American winner for D. A. McPhee, Vankleek Hill, Ont.

On completion of "Peg's" record, she was jointly purchased by Hays & Co., Calgary, and Rockwood Holsteins, St. Norbert, Manitoba. It is expected that she will be given an opportunity on four-time milking and great things are hoped for from her by the Holstein fraternity.

R. H. M. Bailey, of Edmonton, was re-elected president of the dairy farmers of Canada at a meeting of directors which followed the annual meeting. R. S. Stanley, Edmonton, and F. J. Goodman, Winnipeg, were named to the executive of the organization. V. S. Milburn, Toronto, resigned as secretary and will be succeeded by Erle Kitchen, Woodstock, Ont.



ROSES FOR PEG

When the REVIEW's March "cover girl", Doncrest Peg Top Burke, completed her world's record production of milk and butterfat at her former Ontario home, an admirer presented this bouquet of roses to the champion and Herdsman Sam Adams, who milked her throughout the year.

Starting on test as a five-year-old, Peg gave the equivalent of 12,775 quarts of milk, or 17 times her own weight in milk in the year on twice-a-day milking.

Master Breeder Shield Honors Outstanding Production By Hays

HAYS & Co., Calgary, received the highest honor that it is within the power of the Holstein-Friesian Association of Canada to bestow, when Harry Hays, representing the firm, was presented with a Master Breeder shield at the association's annual meeting held February 14, in Toronto.

To qualify for the title of Master Breeder, the internationally famous Hays herd bred 29 Class XX bulls, 10 Very Good, 17 Gold Medal, 19 Good Plus and 17 Excellent cows. All of the females have production records at least one-third above the amount required to qualify in the Dominion Record of Performance. In addition to these, they have bred one Very Good, 6 Gold Medal, 12 Good Plus and 5 Excellent cows that have not fulfilled the stringent Master Breeder production requirements.

For years recognized as one of Canada's top Holstein herds for both show type and production, the Hays herd was started in 1912, the original foundation cattle being secured from Wisconsin and Ontario. The president is Dr. T. E. Hays, with sons, Harry and Jack, as manager and barn superintendent, respectively, and Lloyd Pickard in charge of sales. At present they carry around 300 head and farm 1,000 acres.

Follow Line-Breeding

In the words of Harry Hays, the aim of their breeding program has been, "To line-breed through outstanding sires, a herd of cows that are full in the heart, large in size, with smoothness and strength throughout, and carrying well-balanced, easy-milking udders—cows that will stand up under year after year production and reproduction, and be a pleasure to work with." How successful they have been in fulfilling this aim is indicated by the fact that 25 Hays cows have life-time records of over 100,000

(Continued on page 37)

Here's how our boys want you to address their Mail!...

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2. Make sure the address is COMPLETE, many delays are caused in Army mail by senders omitting name and number of unit.
3. If you are writing to a wounded man in hospital Overseas, write the usual COMPLETE address, then ADD the words "IN HOSPITAL" in large letters on the envelope.

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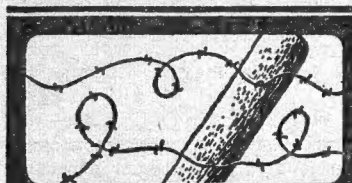
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Best Varieties of Grain Crops Listed for Alberta Areas

By A. M. WILSON,

Field Crops Commissioner, Alberta Department of Agriculture

GRAIN varieties recommended to Alberta farmers for planting in 1945 indicate few changes from last season. Recommendations as to wheat remain the same as in 1944 with the exception that Marquis is no longer favoured in parts of Zone 3. The variety Regent, although received with some favour in areas of heavy soil, has not yet been considered to have sufficient general merit to justify a provincial recommendation.

Sanalta barley is named along with Newal and Trebi in Zone 1. Although the acreage of barley in this portion of the province is relatively small, Sanalta, because of its larger kernels and longer straw, will serve a need in this area. This variety is also considered suitable for the irrigation district; here, too, the size of the seed will make seed cleaning easier and because of the strong straw there will be less loss of the crop through lodging. Other feed varieties recommended for irrigation are Newal, Olli and Trebi. For malting purposes, O. A. C. 21 is in general favour, with Olli as an acceptable variety for Zones 3 and 4.

No new varieties of oats are included in the list. Ajax, although now quite widely grown and most desirable in areas of Western Canada where rust frequently occurs, has not yet been recommended for Alberta because here rust is rarely a serious problem and this variety, like many other oat varieties which mature earlier, also yields materially less.

Following is a summary of recommendations with respect to each soil zone within the province as agreed on by the varietal zonation committee,

representing seed growers' associations, the department of agriculture and the University of Alberta. The zones, indicated on the accompanying map, are: Zone 1, the brown soil zone; Zone 2, the dark brown and shallow black soil zone; Zone 3, the black and gray-black soil zone, and Zone 4, the gray wooded soil zone.

SPRING WHEAT—

Zone 1—Canus, Marquis, Thatcher.
Zone 2—Canus, Marquis, Thatcher, Red Bobs.

Zone 3—Red Bobs, Thatcher.

Zone 4—Red Bobs, Thatcher.

WINTER WHEAT—

Kharkov in all areas where winter wheat is grown.

OATS—

Zone 1—Eagle, Victory.

Zone 2—Eagle, Legacy, Victory.

Zone 3—Eagle, Legacy, Victory.

Zone 4—Banner Legacy.

MALTING BARLEY—

O. A. C. 21 in all Zones.

Olli in Zones 3 and 4.

FEED BARLEY—

Zone 1—Newal, Sanalta, Trebi.

Zone 2—Newal, Olli (in northern parts).

Zones 3 and 4—Newal, Olli.

FLAX—

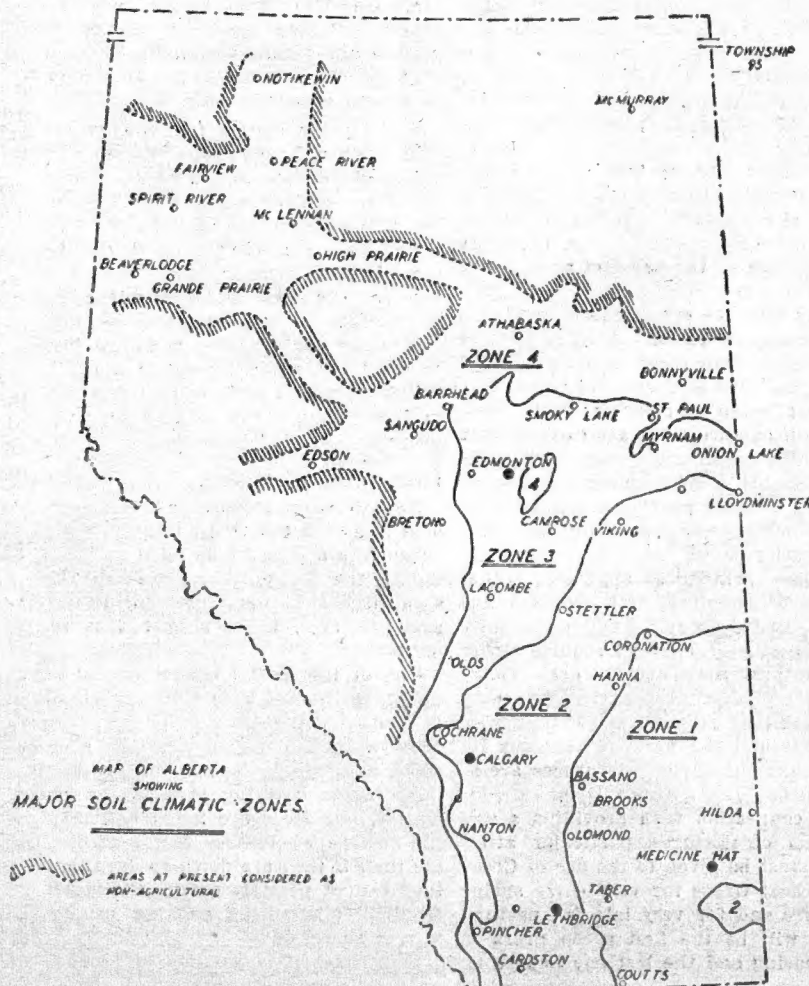
Zone 1—Bison, Royal.

Zone 2—Bison, Redwing, Royal.

Zones 3 and 4—Redwing.

BRITAIN AT WAR

BRITAIN has put into her Armed Forces more than one out of every three men aged 14 to 64. The number of men actually serving in June, 1944, was 4,500,000. If the number of killed, missing, prisoners of war, and discharged persons are included, the total who are serving or who have served is more than 5,500,000—more than one out of nine of the entire population of Britain.



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To have this correct fitting it is always wisest to measure carefully before ordering.

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More and Better Forage Crops Improve Soil Fertility and Stabilize Farming

By N. N. BENTLEY

Supervisor Crop Improvement Service,
Alberta Department of Agriculture

WIDER use of forage crops is intimately associated with better farming. Just as weedy fields, depleted soil and low yields indicate poorly farmed land, so do good stands of grass and legume crops identify the good farmer and provide reliable assurance that his farm will maintain its ability to produce good crops on a permanent basis.

In addition to the importance of growing grasses and legumes as hay and pasture for livestock is the fact that these crops offer the most practical solution to many soil improvement and weed control problems. Where the native sod has been brought under the plow or has been destroyed by over-grazing, cultivated forage crops must be used to re-establish or to maintain profitable production. There is ample proof that we can grow grass and legume crops in Alberta that will outyield native pastures and provide much superior feed for livestock.

Climate and soil have a very important bearing on the kinds of forage crops that can be grown successfully. The best crop for one district is not necessarily the best choice for another only a few miles away. A useful crop on one place may be without value nearby where a different type of farming is practised. A method of seeding grasses which is generally successful in establishing a good stand of hay or pasture crops in an area where rainfall is more plentiful may generally result in failure in drier districts. These facts make it difficult to be very definite in specific recommendations because a careful study must be made of the different crops and their adaptations in relation to the above factors in order to choose the best crops and to adopt the best production practices.

EARLY settlers in Western Canada had to pioneer in the development of our agriculture. Research and experimental work had to be done. Practical experience had to be gained. Many crops have failed and new problems have developed, but a wealth of reliable information is now available to guide those who would take advantage of the opportunities to grow grasses and legumes.

Brome, Crested Wheat Grass and Alfalfa have proven most valuable and are generally recommended for the Central Alberta area. Another grass, more recently introduced is Creeping Red Fescue, which promises to be very useful. Sweet Clover has some undesirable characteristics but should also be used on many farms in this area. Timothy grass and Alsike Clover require more moisture and should be sown only where this requirement can be met.

Advantages of Mixtures

Many of the fields now sown to Brome or Crested Wheat Grass or Timothy are not producing as large yields as they should be. Whether used for hay or for pasture, the feed is not as nutritive as it should be. How can these be improved? By having



Sweet Clover or Alsike Clover growing along with those grasses. Similarly, where Alfalfa or Sweet Clover are sown alone, in many cases the addition of some grass would be desirable. Grasses, particularly Crested Wheat or Creeping Red Fescue would add fibre to the soil.

A grass such as Brome would be able to fill in any small vacant areas where the legumes have not become established; otherwise weeds will occupy these spots. Grasses mixed with alfalfa make it easier to cure and harvest for hay. They provide variety in the livestock ration and help to prevent bloating.

Occasionally the argument for mixtures does not hold. In the case of seed production or if, for example, there is a special market for Alfalfa hay, mixtures may not be desirable, but for general purposes a mixture containing at least one grass and one legume should be grown. Such a mixture has a wider adaptation, is more effective in controlling weeds, results in greater soil improvement and produces better feed for livestock than either grasses or legumes grown alone.

PRESENT wartime demands emphasize the importance of dairy products. In order to meet the demand for increased milk production dairymen must make every effort to provide their cattle with the best hay and pasture. Native grasses are not good enough. The milk cow must have feed that is richer in proteins and she must have green, growthy pasture throughout the spring, summer and fall if she is to produce all the milk that she possibly can. This means that there should be a generous supply of legumes in the hay and pasture for the dairy cow.

Hay must be cut at the proper time and carefully cured. A large part of the most important constituents of good hay—the proteins and vitamins—is lost when harvesting is delayed. Certain pasture crops are excellent for a part of the growing season but quite undesirable at other times. Dairymen should plan to provide a succession of early spring, mid-season and late summer pastures.

These principles apply to other kinds of livestock that consume hay and pasture crops. They all require good pasture. They all require richer feeds than they usually get. Dairy cattle are referred to particularly only because they respond to good feeds so directly and the wartime demands for milk and for butter and cheese are so urgent.

In connection with providing a succession of pastures, particular attention must be given to the use of Crested Wheat Grass for very early spring pasture and for very late fall pasture. This will be the first green grass in the spring and the last one to lose its color in the fall. During the heat of

FOR BEEF OR MILK

This alfalfa pasture with a mixture of Brome and Timothy keeps the Shorthorn cows at the Lacombe Experimental Station in good flesh throughout the summer.

summer it becomes hard and wiry and not so palatable. Although Crested Wheat Grass will taint the milk from hungry cows that are turned on to a vigorous stand of it in the spring, it is a very useful crop at that season. Care should be taken to introduce the milk cows to it gradually and to provide other feeds along with it.

A GOOD mixture of grasses and legumes will provide suitable forage later on in the spring and during the summer. However, frequently these become dry and unpalatable in the late summer and fall and plans should be made to provide fresh pasture for that season. Annual crops such as oats, fall rye, or a mixture of oats and rye sown late are most useful for this purpose. Sheep breeders, of course, will be anxious to have a crop of rape available for their breeding flock in the late fall.

It is difficult to make specific recommendations as to seeding dates because so many factors must be considered. Proper conditions as to moisture and temperature are required. Young seedling plants of grasses and legumes cannot withstand drought and heat until after they have developed adequate roots.

Satisfactory stands are usually obtained when forage crops are sown in either of two seasons. Crested Wheat Grass sown about the first of September will germinate and become established before freeze-up, or it can be sown in May, June or July. The other grasses and the legumes might be sown early so that they may germinate in the early spring moisture just as the frost is coming out of the soil. Where a rainy season can be expected in late spring, June seeding on well-prepared land is recommended.

Firm, Moist Seed Bed.

No soil preparation at all is preferable to a seed bed that has been worked up into a loose, fluffy surface. Commonly, the best practice is to drill the seed directly into stubble land. In any event, a firm, moist seed bed is required.

One of the most frequent causes of failure to obtain a satisfactory stand is that the seed has been sown too deeply. The ideal depth for most small seeds is $\frac{1}{2}$ inch below the surface. Some covering is definitely desirable, but seeds are much better on the surface where they might germinate than if they are down so deep that they cannot possibly grow. Broadcast seeding followed by packing usually proves successful.

Sometimes it is possible to produce another crop during the first season

on the same land which is seeded to forage crops, but this practice is responsible for many failures to obtain strong grass or legume stands.

If the land is sufficiently clean to grow flax satisfactorily this crop would provide the least competition. Where moisture is abundant, a light seeding of oats for green feed or a crop of early barley might be used but generally the so-called "nurse crops" are not recommended.

EXCEPT for sweet clover, it is usually not desirable to cut or to pasture the growth produced in the first year. However, weed growth should be clipped off with a mower to prevent the production of weed seeds and to conserve moisture for the forage crop.

Lush growths of forage crops, particularly legumes, may result in serious loss from bloat if proper preventive measures are not taken in introducing stock that are not accustomed to good feed. A higher percentage of grass in the pasture mixture increases safety in this respect. Hungry cattle or sheep should not be turned into rich, moist pastures. If some dry hay is available stock will frequently choose to eat enough of it along with the more attractive pasture to prevent bloat.

Many farmers fail to obtain best returns from forage crops by neglecting to establish new fields regularly. Old grass sods become unproductive. They should be broken and other crops seeded for several seasons. Only in this way can the advantages of soil improvement be distributed over more land and production be maintained on a permanent basis.

Frequent disappointment in the yields of cereal crops following the breaking of grass sod is due to a shortage of moisture. Grass sods should be broken at least by early summer and fallowed before another crop is sown. Such a practice permits the accumulation of moisture, allows partial rotting of the plant roots and encourages dormant weed seeds to germinate so that they can be destroyed.

• • •

POTATOES FOR FRANCE

CANADA will send at least 8,000 tons of seed potatoes to France in the next month or two if shipping space can be found. Most of the shipment will be made up of Irish Cobbler, Katahdin and Green Mountain varieties from New Brunswick and Prince Edward Island.

• • •

EXPECT MORE WOOL

A PRELIMINARY estimate places the 1944 wool clip at 15.1 million pounds. On the basis of the number of sheep on farms, a tentative estimate of 15.5 million pounds has been suggested for the 1945 clip.

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WESTERN ADVERTISING OFFICE:

Calgary, Alberta

W. C. KERR, *Manager*

EASTERN ADVERTISING OFFICE:

19 Melinda Street, Toronto, Ont.

W. H. PEIRCE, *Manager*

Published Monthly by Farm and Ranch Review Limited

Printed by Western Printing & Lithographing Co. Ltd.

Graphic Arts Bldg., Calgary, Alberta

Entered as Second-class Mail Matter at the Post Office

Calgary, Alberta

Member of the Audit Bureau of Circulations.

VOL. XLII. CALGARY, MARCH, 1945 No. 3

WESTERN stockmen, with good reason on their side, are taking action to remedy what they contend is an unfair and unjust application of income tax regulations bearing on their business. In less temperate words the burden is termed vicious and confiscatory, but the organized ranchers are seeking through the Western Council of Beef Producers to assist Ottawa to reach a solution to the problem which is a headache to taxpayers and authorities alike.

Some thousands of dollars already are pledged to a special fund being raised to press their case for relief from the tax trap in which many stockmen are caught. Their claim is simply that all breeding stock should be classed as capital and that the proceeds of the sale of such stock should not be taxed as income.

The very common case is cited of a rancher who decides to retire after a lifetime spent in building up a herd of quality livestock. Improving additions to the herd have been bought from time to time with his income on which tax has been paid. If these animals and their progeny are sold now, the Minister of Finance gets his pound of flesh as a levy on the proceeds of the sale, an impost in one year, or over a period if he is on an inventory basis, which leaves the rancher very little to show for his years of work and management.

In similar case is the rancher compelled by the wartime absence of his sons and the scarcity of other help to reduce his livestock holdings drastically, hoping in better days ahead to use his funds to restock his range when his boys return to the saddle.

Also caught in the "confiscatory" ruling is the rancher forced by short pasture and lack of feed, as many were last fall, to sell off breeding stock which he could not carry over winter.

Spokesmen for the industry point out that it is facing a severe handicap under these conditions. Investors think twice before putting good money, on which one income tax has been paid, into a business in which sale of their main assets lays them

Editorial

Song of The Plow!

*It was I who built Chaldea and the cities of the Plain;
I was Greece and Rome and Carthage and the opulence of Spain.
When their courtiers walked in scarlet and their queens wore chains of gold,
And forgot 'twas I that made them, growing Godless folk and bold,
I went over them in judgment, and again my cornfields stood
Where empty courts bowed homage in obsequious multitude.
For the nation that forgets me, in that hour her doom is sealed.
By judgment as from Heaven that can never be repealed.*

open to a second clip. Ottawa might well meet the demands of the Beef Producers' Council on this ground alone.

★ ★

TOO often tribute is paid to a man's worth only after his death. To a few it is given to leave this world with the plaudits of those he has served almost literally ringing in his ears. So it was with "Bob" Gardiner.

His passing came less than a month after he had handed on his mantle of leadership in the U.F.A. At that time, his successor and his fellow workers joined in saying the sincere, kindly things that could be said by everyone who knew the honest, loyal, far-seeing Scotsman and his contribution to the cause of organized agriculture. They recalled his tireless service, not only in Alberta but in the Dominion field where he was a pathfinder in the name of the Western farmer.

They lauded present-day reforms his vision had initiated and they honored him for his contribution to the knowledge which is so essential to unity among his fellow Canadians.

Robert Gardiner will live in the grateful memory of those he served.

★ ★

MANY Western farmers are awaiting enactment by Ottawa of "Bill 134". This measure, passed August 9, 1944, will come into force, says the Minister of Finance, as soon as goods are available in quantity. It is to do for agriculture precisely what the Industrial Bank is to do for industry, and in operation it will fill the existing gap in the rural credit system by making available farm loans needed for more than 90 days but not longer than ten years. Such loans will be handled through

the banks and the maximum interest rate, unless the loan is in default, will be 5 per cent.

The Farm Improvement Loans Act will authorize the Government to guarantee the banks up to 10 per cent of losses on farm loans of \$250,000,000. The guarantee applies not to individual loans, but to individual banks, and the borrowing limit of a farmer under the plan is set at \$3,000.

Loans will be available to build or improve buildings, to buy implements of all kinds, tools, apparatus, appliances, trucks, tractors, livestock, to build or repair fences, in short for practically every kind of needed farm improvement, including electric systems and the purchase and installation of all types of conveniences within the farm home.

Various forms of security for the loans are authorized, including mortgages on sums over \$2,000 loaned for longer than five years, but to the greatest extent possible the security for each loan will be confined to the articles on which the money is spent.

Many a farm and farm home can make valuable use of funds provided under this plan. Buildings, machinery and equipment show the toll of war-scarce years and aging hands will welcome the labour-savers promised under the proper administration of Bill 134.

★ ★

RESIDENTS of some Prairie areas will read with sympathetic understanding the accounts of the climatic disaster suffered during the present summer by many of Australia's farmers.

Life in the dust-bowl has been made unbearable by day after day of dust and sand storms. Tons upon tons of the best top soil have swirled away eastward until dust-clouds from Australia settled in New Zealand.

The wheat crop in Victoria is almost a complete failure; in New South Wales it is down a third. Extension of land settlement has been halted and it will take years to restore pastures.

Stock losses have been heavy, the holding capacity of many vast sheep runs has been ruined, fences are covered, irrigation ditches and railway lines are blocked with sand.

Says an Australian writer, listing the grim details: "The dust forced its way through closed doors and windows. The temperature climbed to 108 degrees. The sun was a ball of blue seen through the red clouds. Fierce bush fires added to the terrible losses. Cities were dimmed under a pall of dust and smoke. After weeks of drought there came a shower. The rain was red."



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conducted in the interests of its policyholders. Such was the purpose of its founders in 1865, a purpose which has been proudly maintained through nearly eight decades of continuous development. And such will be the purpose that will guide the destiny of this Company in the generations yet to be.

In the past year, the new business secured by the Sun Life of Canada amounted to \$220,323,142. The assurances in force increased by \$139,107,959 and now total \$3,312,525,426. The benefits paid during the year were \$80,582,921, which brings the total amount paid since the founding of the Company to \$1,710,446,363. The Company's activities during 1944 give ample evidence of its continued progress. The business and the assets of the Company have increased, and substantial additions have been made to surplus and other funds to further safeguard policyholders' interests.

★ ★ ★

Copy of the Annual Report for 1944 will be sent to all policyholders, or may be obtained from:

★ ★ ★

J. A. ISBISTER, C.L.U., Branch Manager, CALGARY

R. F. SUTTON, Branch Manager, EDMONTON



Post-War Europe's Needs Include Millions of Horses

ONE of the immediate problems facing the war-torn countries of Europe will be the replacement of breeding stock for their flocks and herds. Herbert Lehman, director of the United Nations' Relief and Rehabilitation Administration, recently reviewed this problem as one of the most pressing that will face that body in assisting the revival of agriculture in the liberated lands.

"Mechanized aids", he stated, "will no doubt be used as one means of starting agriculture again, but much of Europe is a land of small farms and smaller fields and in many parts consists of hilly and even mountainous land. Here the horse and the useful cob and pony will be used in very large numbers. Where are they to come from?"

Russia's Losses Heavy

"Horses have disappeared at such a rate that scarcity of draft animals may be a problem even more acute than scarcity of manpower in the first harvest of peace. Losses of horses and ponies are due not only to actual war and confiscation, but also to the cessation of breeding and the great slaughter of these animals to provide human food and to prevent them falling into the hands of the enemy."

Losses of horses in Russia alone, said the UNRRA director, were esti-

mated at 3,000,000 or more, and recent campaigns will have increased this number. The Soviet army has many cavalry divisions and depends largely on horse transport behind the lines. Several of the large horse-breeding establishments in the south have been ravaged by the war.

Estimates of losses in other countries are: Austria, 65,000; Belgium, 150,000; Bulgaria, 150,000; Czecho-Slovakia, 400,000; Denmark, 200,000; Estonia, 150,000; Finland, 100,000; France, 1,000,000; Greece, 250,000; Holland, 150,000; Hungary, 250,000; Italy, 330,000; Yugoslavia, 900,000; Latvia, 200,000; Lithuania, 250,000; Norway, 50,000; Poland, 1,500,000; Romania, 720,000, making a colossal total of 9,915,000 horses.

"It is obvious that immediately after the war there will be a tremendous demand for horses and ponies," said Lehman, "and this country as the home of purebred animals will have to take a leading part in filling the requirement. Despite the difficulties of breeding at the present time, owners are urged to breed from all their high-class pedigreed animals."

"Apart from the fact that registered stock will always command higher prices, breeders surely have a responsibility to future generations to maintain the continuity of the pedigrees of the various breeds which have been established in this country with so much forethought and expense in the past."

Richardsons Pay \$20,000 for Shorthorn Junior Champion Bull at Perth Sale

OF interest to western cattlemen is the announcement by J. W. Durno, of Calgary, western representative of the Canadian Shorthorn Association, that the junior grand champion Shorthorn bull at the recent Perth sale in Scotland was purchased by James Richardson & Sons, Ltd., of Winnipeg, for \$20,000. The animal was bred by George Douglas, of Cadbolmont, Scotland. Also purchased for Richardsons were five heifers at an average of about \$1,500.

The senior grand champion Shorthorn bull was sold for \$12,500 to Hugh Black, for export to the Argentine, while the reserve grand champion brought about \$9,500.

The Perth sale had a direct tie-up with Alberta since a number of bull calves sired by Norseman, now the property of Claude Gallinger, of Tofield, brought good prices. The top price for a Norseman-bred bull calf was \$6,625, and Norseman calves averaged \$3,300.

Mr. Gallinger bought Norseman at the Perth sale more than two years ago at a cost of \$5,000. He has a number of Norseman-bred bull calves and females on his Tofield farm.

LIBERAL feedings of skimmed milk will rid young pigs of most of their internal parasites, the U.S. Department of Agriculture has found in recent tests.

Improved Prospect Seen for Sheepmen

IN a recent outline of the livestock situation, J. P. Sackville, Professor of Animal Science, University of Alberta, suggests that sheep producers need not show too much anxiety about the current situation. Although there has been some falling off in prices and demand during the past year, the slightly depressed condition that has struck the sheep and lamb market may be considered to be temporary only.

There has not been, over a period of years, any serious problem so far as a surplus of lamb is concerned, and some measure of protection is offered by the present floor price on lamb carcasses. Another encouraging feature is that an outlet was provided for a substantial number of lambs (around 135,000 for all Canada) in the United States last year.

Marketings in Canada in 1944 reached approximately 1,000,000 head of sheep and lambs including both public stockyard and direct shipments. Alberta's contribution towards Canada's total marketings in 1944 was between 12 and 15 per cent.

Keep Your Victory Bonds!

Breeders' Notes

DRIES Brothers, Weyburn, Sask., recently purchased a promising yearling bull from the Woody Hereford Ranch at Barnard, Kansas. This bull, Commander Domino 27th, is by Prince Domino C150 and out of an Advance Domino cow. He will be mated to some good breeding cows carefully selected from well-known prairie Hereford herds.

MEASURES to eliminate Bang's disease in cattle were recommended in a resolution by the Saskatchewan Cattle Breeders' Association at the annual meeting in Saskatoon.

It urged the disease be named among the contagious diseases listed under the federal animal diseases act, that measures to eradicate the disease be considered as a post-war project and that, for an immediate program, the provincial government be asked to bear the cost of laboratory tests. It also asked that the 25-cent fee for Bang's disease testing in the province be reduced.

SIX western swine breeders have had sows qualify in advanced registry. In Manitoba, R. B. Hunter, of Winnipeg, obtained qualification for Norbert Lass 66W, the Brandon Experimental Farm on Brandon Duchess 112W and C. S. Thomas and Son, of Hartney, on Ross 18X. In Alberta, Peter Taylor, of Pibroch, got qualification of Springburn Queen 50W. Thomas E. Standing, of Cochrane, on Beaverdean Blossom 39W and Paul Churchward, of Lloydminster, on Lloydminster Claudette 50W.

DIRECTORS of the Holstein-Friesian Association of Canada for 1945 include J. W. Hosford, South Edmonton; R. E. Stewart, Regina, and L. G. Breyfogle, Union Point, Man. C. L. Goodhue, of Vaudreuil, Que., is president, and W. H. Hicks, Agassiz, B.C., is a vice-president.

CANADIAN Hereford Association members, at their annual meeting, elected J. S. Palmer, Marsden, Sask., as president; R. W. Rutherford, Winnipeg, vice-president. Directors include: Frank Collicutt, Crossfield, Alta.; W. A. Crawford-Frost, Nanton, Alta.; Wilbur Catley, Craven, Sask.; T. J. C. Reid, Mossomin, Sask.; L. V. Robson, Deleau, Man., and Ian Wood, Armstrong, B.C.

T. A. Robinson, of Toronto, was elected president of the Canadian Shorthorn Association at its annual meeting. J. W. Durno, of Calgary, was chosen western representative. Alberta directors elected were: W. N. Graburn, Calgary, and John Cross, Nanton. Directors for Manitoba are F. G. Muirhead, Selkirk, and N. H. Muir, High Bluff, for Saskatchewan; W. A. Small, Craven, J. T. Clark, Incheilth, and M. J. Pendlebury, Foam Lake, and for B.C., W. Watt, Barriere.

HARDY Salter, of Calgary, was re-elected secretary-treasurer of the Canadian Percheron Association at its annual meeting in Winnipeg. W. J. Clark, of Gananoque, Ont., was elected president and L. O. Crockett, Mayerthorpe, Alta., vice-president.

ANNUAL meeting of the Alberta Hereford Association will be held in Calgary, Monday, March 19, it is announced by John Willson, of Innisfail, secretary.

J. A. WORKMAN, Oxbow, was named president of the Saskatchewan branch of the Holstein-Friesian Association of Canada at its recent annual meeting.

J. W. Ward, Birch Hill's dairyman, was chosen president of the Saskatchewan Jersey Cattle Club at its annual meeting.

THE Ayrshire cow, Justa Lady, owned by J. A. Hodgson, Forest Lawn, Alta., placed second in yearly production records just announced by the Canadian Ayrshire Breeders' Association. In the mature class, 365-day division, she gave 18,982 lbs. milk, 796 lbs. butterfat, a test of 4.19 per cent, on two milkings a day. Another Hodgson cow, Chestermere Ruth, led the two-year-old class, 365-day division, and was also the highest scorer in that division on twice-a-day milking with 16,719 lbs. milk, 733 lbs. fat, a test of 4.38 per cent.

CANADIAN Guernsey Breeders' Association, in annual meeting at Toronto, chose its directors: Including R. Harry Irwin Sardis, B.C.; George Cornwall, Dauphin, Man.

A RESOLUTION sponsored by the Alberta Shorthorn Association, which required that all Shorthorn breeders must be members of the Canadian Shorthorn Association before they can register their animals, was passed unanimously at the annual meeting of the Canadian Shorthorn Association held recently in Toronto.

THREE amendments of particular importance to breeders were made to bylaws of Canadian Holstein-Friesian Association at the annual meeting recently. The first provides for freezing the board of directors to its present size. The second for an increase in transfer fees from fifty cents to \$1.00. The third for the refusal of registration to bulls that are not from dams that have either been graded at least good plus in selective registration or have a production record at least 50 per cent above the amount required to qualify in the Record of Performance on twice-a-day milking, 70 per cent on three-times-a-day milking or 90 per cent on four-times-a-day milking.

Reports of officers showed 1944 to have been the best year in the association's history. Membership exceeded the 9,000 mark for the first time and the number of animals registered totalled 51,600, the highest figure yet attained.

Horses Still Needed On Prairie Farms

THOSE who fear that in an age of mechanization the work horse is doomed are worrying unduly. He is likely to flourish for a very long time to come. At the annual meeting of the Saskatchewan Horse Breeders' Association held at Saskatoon recently, it was stated that only 27 per cent of all the occupied farms in Canada have been mechanized so far. The proportion must be higher in this province, and it is almost bound to increase, but even so, there will probably continue to be a place for the horse on many Saskatchewan farms. Sixteen thousand horses were shipped east from Saskatchewan last year. —Saskatoon Star-Phoenix.

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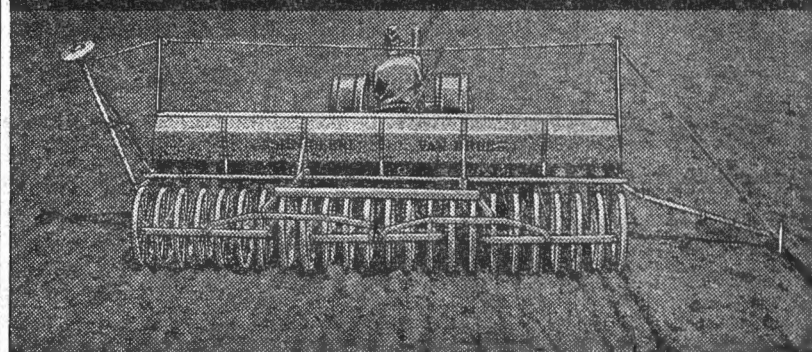
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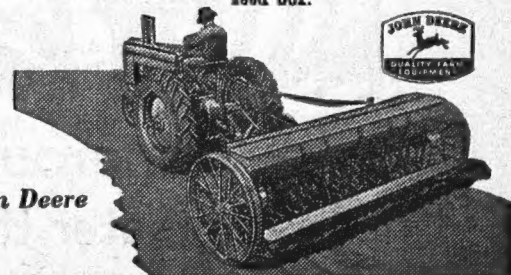
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Test Hatching Eggs For Live Chick Germ

AFTER one week's incubation an infertile egg will appear clear and uniformly bright when held up before a light, while a fertile egg will show a dark spot with a cloudy portion around it.

At the second test, which is for the purpose of detecting the dead germs, an egg with a live germ will have the appearance much the same as that on the seventh day only the germ will appear larger and darker, probably one-half of the egg will appear dark and the air space will be larger.

The dead germ may not appear much larger than when seen at the first test which would indicate that it had grown as the others had, it also may be stuck to the shell and look like a red streak or, as it is called, a blood ring. All of these should be discarded as they will not develop into chicks.

Practice only will make one perfect in testing and it is a good plan to crack an egg occasionally to see what is inside and if you are not sure whether the germ is alive or not and do not want to break the egg, mark it so that you will know what it looked like when you see whether it hatches or not.

Calcium and Sunlight Prevent Thin Shells

THERE are two common causes of thin-shelled eggs, and at this time of year the number of these invariably increases. The most obvious cause is lack of sufficient calcium in the diet of the birds that are laying the heaviest. In order to supply this calcium, it is important that plenty of limestone be kept before the birds at all times, so that even the heaviest layers can get all they need.

The second cause of thin-shelled eggs is lack of sufficient vitamin D. Plenty of the sunlight vitamin is necessary in order to make proper use of the calcium that is provided.

This vitamin can be made available either by providing windows that contain glass substitutes or special glass that permits the ultraviolet rays of the sun to enter the house or by providing fish liver oil in the mash. In cases where production is high no vitamin D is supplied, a temporary paralysis known as egg paralysis sometimes occurs.

See Bright Outlook For Poultry Products

OUTLOOK for the poultry industry in Saskatchewan was "exceedingly bright" and all products would be required for food for Great Britain and the Allies. A. Wilson, chairman, told the annual meeting of the Canadian Produce Association, Saskatchewan section, at Regina, recently. He said that prices were again stabilized for the entire season and producers could look forward to receiving satisfactory returns for their products.

A. Foss, for the poultry committee, said markets for poultry would be as good this year as last. He recommended producers to process their poultry to meet international standards.

Provide Mash Feed As Tonic for Hens

THE best tonic you can give your hens is to supply them with a mash feed. Barley is most valuable for feeding when finely ground or rolled. It contains rather too much hull for feeding whole, and unless very well threshed, so as to remove the entire beard, it is not advisable to use without grinding.

Equal parts of ground wheat, oats and barley with 20 per cent of beef meal, is equal to any other mixture that has been on trial. It is a general rule that hens should eat about 50 per cent mash and 50 per cent scratch grain, but it is found that hens which are producing heavily may eat more than 50 per cent mash. A satisfactory home-mixed scratch grain may be composed of equal parts by weight of wheat, cracked corn and oats.

It is impossible to give definite rules as to the exact amount of scratch grain which should be fed. A very light feed may be given early in the morning and at noon, to keep the birds busy, with a good feed at night, so that their crops will be full when they go to roost. The dry mash should be fed from a hopper, to which the hens must have access at all times.

Mineral matter is essential in the hens' ration, and charcoal is useful as a tonic. Oyster shell furnishes lime, but it is not a substitute for grit. Green feed must also be supplied. Milk is also a good egg-making addition to the ration; 100 hens will require about 25 pounds of milk daily. Fresh water must be available at all times.

Western Eggs Moving Overseas

WESTERN produce houses are now busy handling eggs for the new shell egg shipments to Britain, and the volume is likely to increase.

Dominion authorities this week said that at least 600,000 cases of Canadian shell eggs are to be exported to Britain before April 30, and every surplus egg grading "A" large and "A" medium will be required to fill the contracts.

From now on, many registered egg stations will be putting up a complete export pack in their own premises at the request of carlot assemblers.

It is clear, the Department of Agriculture says, that the future of the poultry industry in Canada is largely dependent upon the satisfaction and reputation that may be established on the current shipment of eggs. If the eggs arrive in Britain in good condition and of the quality represented, a long step will have been taken towards insuring a market in the future.

Only grade "A" large and medium should be packed for export. Proper grading, paying attention to the fact that grade "A" means grade "A" as defined in the Canadian standards for eggs, should be observed. All eggs should be packed large end up and packed only in new cases with new egg trays, or new No. 1 fillers and cup flats. No extremely large or long shaped eggs, or eggs with weak shells should be included, and each egg that is exported is to be stamped with the word "Canada".

This is now a British requirement, and the number of the Canadian registered egg station is to be stamped on the right-hand side of the top cleat on each end of case.

Certified Seed Potato Growers Organized In Saskatchewan

JAMES Whitebread, R.R. 5, Saskatoon, was elected president, and D. R. Robinson, of the University of Saskatchewan, secretary of the recently organized Saskatchewan Certified Seed Potato Growers' Association. Following discussion during the meeting held at Saskatoon, the following statement was prepared by J. W. Marritt, district inspector, in order that buyers might become better acquainted with the grades of potatoes offered for sale.

"Certified Seed grade potatoes are pure as to variety and relatively free from disease. Seed potato stock of this grade is suitable for planting in the farm garden for home use and for planting by commercial growers for sale on the table stock market.

"Certified Foundation 'A' Seed grade potatoes have a higher standard for freedom from disease than the ordinary certified seed grade. This is a new grade which gives the opportunity of obtaining higher quality when buying seed potatoes. Fields planted with Certified Foundation 'A' seed potatoes are eligible for field inspection and certification.

"Certified Foundation Seed grade potatoes are produced by special methods and under strict regulations to insure a high standard of freedom from disease and superiority as to strain. It is very important to use seed stock of this grade if one is planning on a program of seed potato production."

Prospective buyers of seed potatoes will note that the regulations now in force are designed to give the greatest possible protection against the spread of diseases and to provide varieties true to name and of the highest quality. All certified seed potato growers residing in Saskatchewan are invited to join this association. Enquiries may be addressed to the secretary at Saskatoon.

...

B.C. Farmers' Income Set Record in 1944

RECORDING a greater increase than for any one of the province's three other major industries, agriculture in British Columbia closed its books for 1944 with a production in the neighborhood of \$100,000,000, Hon. K. C. MacDonald, minister of the department, reported in a year-end review.

This figure represents a sharp jump of \$14,000,000 from the mark set in 1943, while only ten years ago, in 1934, the agricultural production of the Coast province was approximately \$39,000,000.

1943 proved to be an excellent year for fruit and most other farm crops, while dairy production was maintained at a high level and good prices prevailed throughout the year for livestock.

...

Indian Farmers Had Successful Year

CROP and livestock returns in 1944 from the nine Indian Agencies in Saskatchewan showed a marked increase over 1943, M. Christianson, Indian Affairs inspector, reported recently.

More than 590,270 bushels of grain were threshed 90,000 more than in 1943.

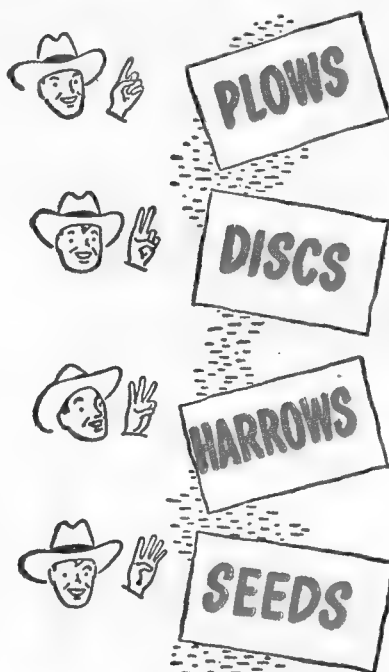
Cattle sales from the reserves valued \$85,000. A total of 7,504 head of cattle was reported, an increase of about 500 over 1943 in spite of large cattle sales.

...

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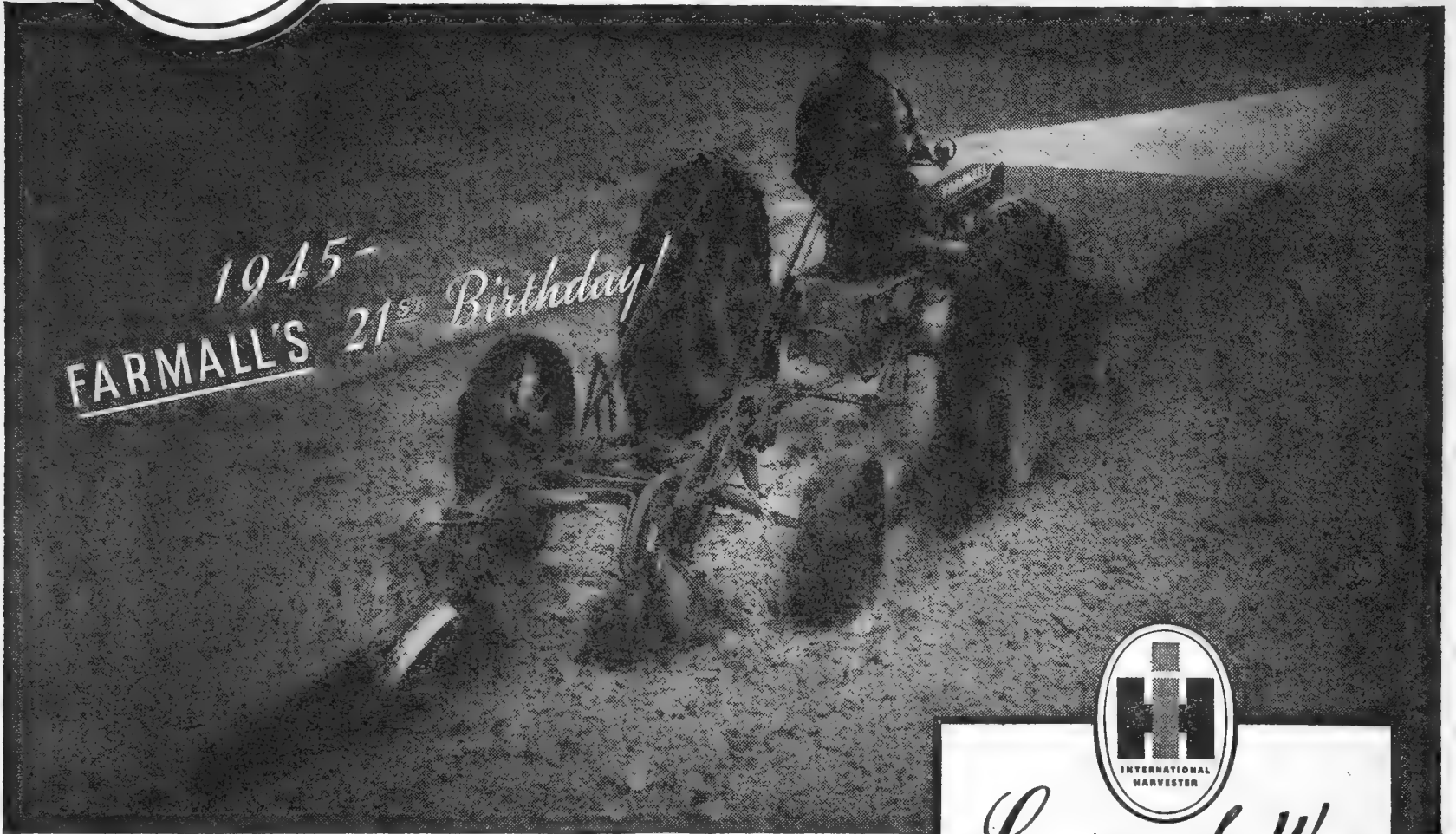
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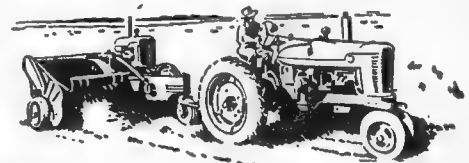
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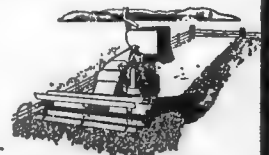


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Field Ensilage Harvester—light, practical for thousands of farms; 1-man operation; powered by Farmall H or M.

INTERNATIONAL HARVESTER

Convention Told World Needs Canada's Dairy Products

CANADA'S dairy products and other foodstuffs can serve well in feeding hungry peoples of the world, but high quality must be maintained to meet competition in post-war markets, Dean R. D. Sinclair, of the University of Alberta, told members of the Alberta Dairymen's Association in annual convention at Calgary. Agriculture must keep abreast of science working in many fields, he pointed out, since synthetic products may replace many items now raised on the farm. "Changes are taking place in agriculture," he emphasized. "An increase in population is inevitable and this means increased food consumption. It is important that more people in the world be better fed. Wars are not started by well-fed, happy people."

J. B. Ritchie, South Edmonton, was elected president of the association for 1945; W. L. Perley, Calmar, first vice-president; R. Stanley, Edmonton, second vice-president; D. H. McCallum, Edmonton, secretary-treasurer; and directors include N. Reid Clarke, Didsbury; Harry Tucker, Springbank; J. Mader, Glen Park, and D. Morkeberg, Markerville. The Alberta Dairy Cattle Breeders' Association elected Harry Tucker president; J. R. Atkinson, St. Albert, vice-president; A. F. Bennett, Edmonton, secretary-treasurer, and A. L. Peterson, Edberg; William Hudson, Kathryn, and A. C. Anderson, Calgary, directors.

Consolidate Position

The convention guest speaker, Dr. J. B. Fitch, head of the department of dairying, University of Minnesota, voiced a warning to dairymen to consolidate their holdings, pay up their debts and get ready for a possibly reduced consumption of dairy products in post-war years.

"Our information," he said, "is that European agriculture will be on its feet within a year after hostilities cease. An outstanding authority says Denmark now has more cattle and hogs than she had before the war and that she will be an early and strong contender for post-war markets."

The speaker felt that too much attention could be paid to high milk production from individual cows rather than maintaining a good average level for the whole herd, and he emphasized better feeding, more care in breeding and improved housing to increase production and profit.

James Murray, principal of the Olds School of Agriculture, discussing forage crops, declared that most hay is cut two weeks too late, losing much of its protein feeding value. Timothy and brome are much better than crested wheat grass in Alberta, particularly in dry areas, he stated, adding a suggestion that grasses and legumes be sown much shallower than is the common practice and that they be mixed, whether for hay or pasture.

Control Bang's Disease

Dr. A. Lloyd Jones, Alberta provincial animal pathologist, Edmonton, outlined the two plans in operation for the control and eradication of Bang's disease and urges that cattlemen take every possible step to check this costly infection.

A report on the progress of artificial insemination was given by W. H. T. Mead, of the provincial department of agriculture, Olds. Two main ad-

vantages of this development were that it made possible a much more extensive use of good proven sires, providing a short-cut to general cattle improvement, and that it gave the small breeder a chance to improve his herd at a much less cost than by natural breeding.

Hon. D. B. MacMillan, minister of agriculture, differed from an earlier speaker in that he saw an almost unlimited market for dairy and livestock prices for some years at good prices, but there was a definite limit to the amount of wheat that could be sold. Congratulating the dairymen of their wartime efforts, he pointed out that 45,000 young men had left Alberta farms for the armed services and war plants, and despite this fact farm production had steadily increased.

Dr. H. L. Patterson, of the marketing service of the federal department of agriculture, Winnipeg, told the convention that high earnings on dairy farms depend on high production per animal, high yield of feed per acre, efficiency with capital and efficient labour. Reporting on a survey of the industry in Alberta, he stated comparative figures showed that whole milk shippers must maintain an even supply throughout the year, and this required more feeding of concentrates than in the case of cream shippers. Whole-milk shippers, as a rule, got increased production by keeping more cows of the specialized dairy breeds, by paying more attention to selection and breeding and by feeding a better quality of roughage.

Provincial Dairy Commissioner, D. H. McCallum, reported that value of Alberta dairy products in 1944 totalled \$35,330,189. Of this amount creamery butter accounted for \$12,186,093; farm dairy butter for \$3,170,605; cheddar cheese for \$835,185; farm dairy cheese for \$46,699; ice cream for \$1,296,950; miscellaneous factory products for \$1,209,495. In addition, milk and cream consumed had a value of \$11,326,766; milk fed to farm animals, \$2,655,101, and skim milk and butter-milk, \$2,603,250. Alberta production had doubled in value in the last five years, Mr. McCallum pointed out, and in addition, subsidies paid to dairymen in 1944 totalled \$4,000,000 above the value of the products sold.

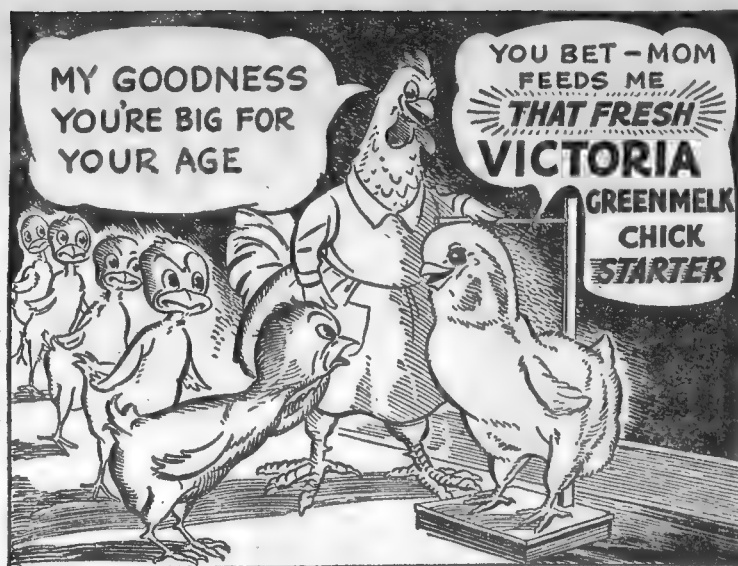
Need Floor Prices

"I feel that floor prices should be provided and boards set up with the necessary machinery to remove troublesome surpluses from our markets, but we can never hope to have governments subsidize inefficiency in production or manufacture," he told the convention.

Prof. Andrew Stewart, of the University of Alberta, outlined many advantages possible to dairymen by electrification of their farms. Work could be lightened, labour costs reduced and profits correspondingly increased by this means. O. S. Longman, provincial deputy minister of agriculture, in discussing post-war planning for the industry, pointed out that Alberta normally has 5,000 rural young men reaching working age annually, and since only 3,500 of these are required to keep present farms staffed, he urged development of a program for the adoption of the remainder in some other branch of agriculture.

The convention heard a strong appeal by Joseph Standish, of Midnapore, for more R.O.P. testing in the province. This was the only fool-proof way, he asserted, to know whether one's herd was improving.

(Continued on page 36)



It's the proper feed and care that makes youngsters healthy, husky and fast-growing—whether it's babies or baby chicks.

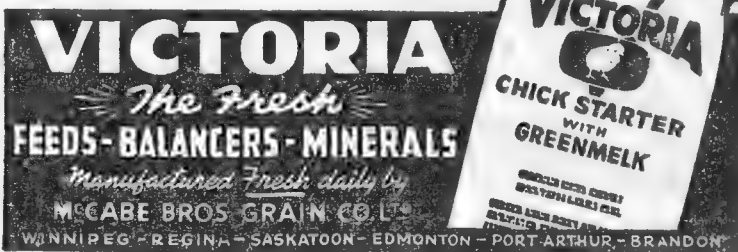
But so much depends on a chick's feed that you can't afford to take chances on poor-quality, changeable balance of ingredients, or inaccurate mixing.

Victoria Greenmilk chick starter never varies from the famous high quality—it's a delicate balance of all the necessary vitamins, minerals and proteins—such as nourished the chick before it was hatched.

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Order from your Victoria dealer or McCabe elevator agent.

CS-1-48



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FULLY AUTOMATIC

ELECTRIC POWER FOR EVERY NEED
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Now you can get prompt delivery of a new 1945 model Jacobs Wind Electric Plant. Jacobs famous design of dependability includes 14 foot variable pitch propeller, completely automatic battery charging and voltage control and many other exclusive features.

Start now to use the free wind to supply Electric Power for every need. Over-size capacity will take care of all post-war electrical appliances, electrically driven farm tools and farm machines.

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SAFE,
EASY TO
INSTALL**
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OR WRITE DIRECT TO FACTORY FOR
FREE LITERATURE**

DEALERS: Desirable sales territory is still open to reliable dealers who already operate going businesses. A Jacobs dealership will give you another profitable line. **WRITE!**

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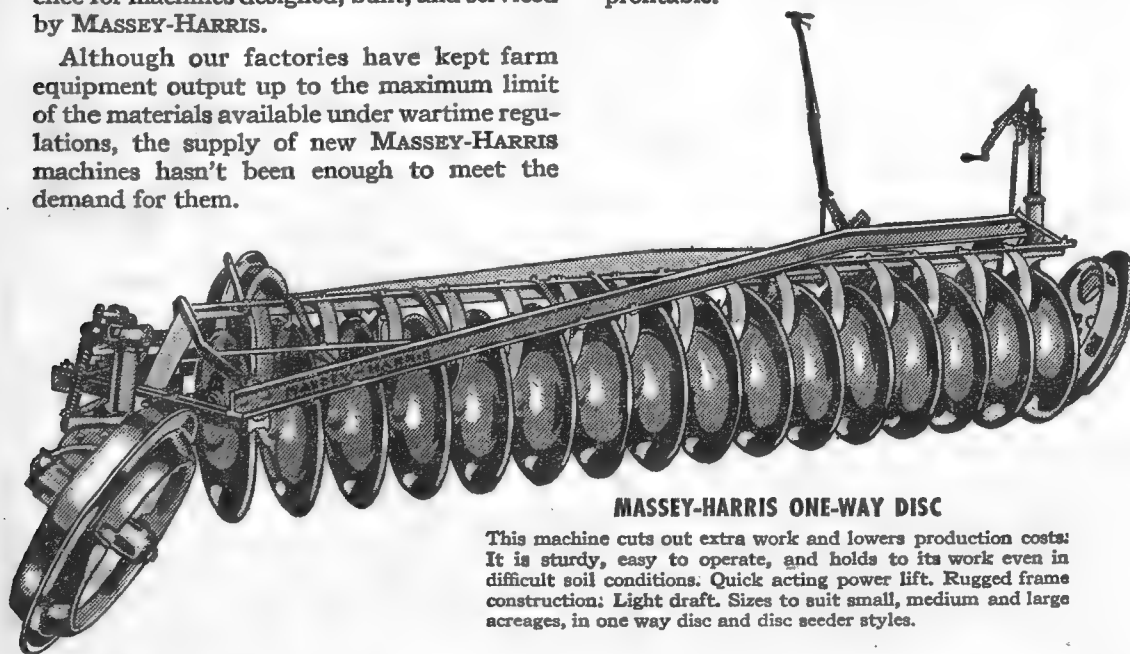


MASSEY-HARRIS EQUIPMENT

The success of MASSEY-HARRIS implements is the direct result of the thorough understanding and long experience of MASSEY-HARRIS engineers in designing machines to suit Canadian conditions. MASSEY-HARRIS implements are practically "made to order" with individual features that enable them to meet the requirements of Canadian farmers. That is why so many farmers have a decided preference for machines designed, built, and serviced by MASSEY-HARRIS.

Although our factories have kept farm equipment output up to the maximum limit of the materials available under wartime regulations, the supply of new MASSEY-HARRIS machines hasn't been enough to meet the demand for them.

Farm equipment is still distributed under the rationing plan — if your machines are worn-out and broken-down see your local MASSEY-HARRIS dealer and have him make out an application form. Today's MASSEY-HARRIS machines are built to do more work in less time and at less cost than ever before. Farmers prefer MASSEY-HARRIS machines because they make farming easier and more profitable.



MASSEY-HARRIS ONE-WAY DISC

This machine cuts out extra work and lowers production costs. It is sturdy, easy to operate, and holds to its work even in difficult soil conditions. Quick acting power lift. Rugged frame construction. Light draft. Sizes to suit small, medium and large acreages, in one way disc and disc seeder styles.

MASSEY-HARRIS COMPANY LIMITED

Established 1847

TORONTO
MONTREAL

MONCTON
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BRANDON
REGINA

SASKATOON
SWIFT CURRENT

YORKTON
CALGARY

EDMONTON
VANCOUVER

WHAT'S IT ALL ABOUT

THE McDougall royal commission investigating the taxation of co-operatives was appointed as a result of a controversy extending over several years between the wheat pools and the minister of finance over the proposed application of federal income taxes to farm co-operative associations.

The wheat pools maintain that true co-operatives make no profits and that any excess earnings are really overcharges, properly returnable to patrons.

There was no mention of federal income taxation as long as the wheat pools were in deep financial difficulties. In 1937 when the Turgeon Grain Commission was holding sittings the matter was brought up by the president of the United Grain Growers, who claimed that the wheat pools should be made liable to federal income tax.

The grain trade then conducted a lobby at Ottawa with the objective of getting the wheat pools taxed. They hired one of Canada's outstanding accountants to go over the pools' books and submitted a brief to the government calling for pool taxation.

The wheat pools might have made a compromise, but they took the stand that the whole matter of the application of income tax to co-operatives should be definitely determined. It is not only the fate of the pools that is in the balance but of every co-operative association in the Dominion of Canada.

The minister of finance then announced the appointment of a royal commission to inquire into the matter, saying at the same time: "There has never been any disposition on the part of the taxing authorities to question the general principle (that savings effected by a co-operative on behalf of its members are income and therefore not taxable) but the real problem is as to its application. For instance, the questions that have arisen relate to such points as what is a co-operative, what are savings, and what constitutes an allocation."

(Note: The words in brackets in the above paragraph are ours.)

Prior to the sittings of the McDougall commission in Western Canada the Income Tax Payers' Association became very active. This organization was formed a short time ago with headquarters in Winnipeg, its president being G. S. Thorvaldson, a Winnipeg lawyer. It is a replica of an organization previously formed in the United States and headed by a wealthy grain man. The wheat pools maintain it is more or less a grain trade creation.

Mr. Thorvaldson busied himself addressing boards of trade throughout Canada, in the course of which attacks were made on the wheat pools and other farm co-operatives. Obviously, he was trying to create favorable public opinion prior to the sittings of the taxation commission.

The wheat pools maintain advantage is being taken of the situation to endeavour to discredit all farm co-operatives so that they may be rendered innocuous or completely destroyed. The main attack, of course, is against the wheat pools.

This explanation is given in order that farm people may have an idea of what is going on. (Advt.)

ALBERTA WHEAT POOL

MIRRORS RESILVERED
THE BENNETT GLASS CO. LTD.
M 1778 228 - 7th Ave. East, Calgary

Editorials by PRACTICAL FARMERS

WHEN some 50 years ago ranchers, in some cases at the point of their guns, argued that it was folly for farmers to plough dry prairie, the will of many conquered the wisdom of the few. For this victory some farmers

Plant Trees After War

paid with extreme hardship and the taxpayers with thousands of dollars. Fifty years have gone and we have invented machinery that removes trees as the sod-busters' plows once took care of the grass roots, and now we are headed for the bush. There is no particular need for more farm products. As a matter of fact, some people are getting bad headaches trying to figure out how they will distribute them after the war, but then every farmer is a customer.

Have those who advocate the farming of gray wooded soil ever looked at the poorer, or even medium districts in such regions. Usually it is too wet for summerfallow, and perennial and other weeds thrive. Road conditions, as a rule, are more than disgraceful. Sure, legumes do well, but since it is usually raining, little of the hay is saved in good condition. Consequently, there is a large percentage of farms, either with or without renters, after the owner took off the cream and left the land to grow up to weeds. If we go on like that, we will soon have another big territory to reclaim from weeds. By that time the soil, being bared of brush, will be so badly leached that it will not grow even a willow or a poplar.

There seems to be need of finding jobs after the war. The people of Canada might make up their minds whether they intend to go on destroying its wealth or start improving it. In the latter case it might be a good idea to put some men at work on reforestation. As for the cost, this would be an easier and certainly more productive way of spending money than paying relief to discouraged farmers. — Walter Bender, Hoadley, Alta.

★ ★

IN the last issue of this paper, R. L. Lloydminster, writing for private enterprise, states that industries conducted by private enterprise are more efficient than industries conducted by public enterprise. After all, private enterprise in industry functions primarily, and mainly, for profit on capital investment and expenditures and its first aim in business is profit.

For Public Enterprise

Public enterprise functions on a different basis. Its aim is for service to the public instead of profit for the few. It should not be difficult for an intelligent person to see which of the two kinds of enterprise is the most beneficial to the people. True enough, private enterprise as we have it today is very efficient when it comes to providing profit for the few, but service is secondary.

As for "speed up in war production", the fact that the government has had to open up plants of its own for very urgent production, such as synthetic rubber and chemicals and other things, should be enough to prove that public enterprise really can deliver the goods very successfully.

Also one of the great Allied powers has out-fought and out-produced the other nations of free enterprise by a system of public enterprise. We have only to recall the great productive feats of Russia, to know that public

enterprise can be very successful. No one can deny that Russia, leads the world in the progress of science and medicine.

He also mentions, "enemies of democracy and private enterprise". Why does he not come right out and name these, "enemies", that would be very interesting. Also to say, that socialistic propaganda is endangering the franchise of citizens is ridiculous and ignorant.—C. J., Edberg, Alta.

★ ★

THE late Premier Aberhart saw fit to prosecute the tobacco interests, claiming that they created a monopoly. The courts upheld the Premier's contention.

Reading the evidence given in Edmonton before the Royal Commission investigating the activities of co-operative organizations, I find that the present Provincial Government has not only condoned and protected what looks to me the dairy products monopoly, but has seen fit to finance it from monies collected from the people in the form of taxes.

Let's Treat All Alike

Government spokesmen claim that whereas the capital invested in many of the large corporations operating in this province is to a great extent from people who reside outside the province, the dividends thereon being distributed elsewhere are of no benefit to the province, whereas the excess of returns over expenses of co-operative organizations, returned to their patrons is of particular advantage to all who reside here.

This is, to some extent, correct, yet Mr. Editor, these jugglers do not mention that quite a percentage of the refunds from co-operatives is sent to mail-order firms in Eastern Canada, and does not benefit the province, and that the total amount of these exceeds that of dividends distributed elsewhere.

If we are to continue the old competitive system, let's treat all alike, and not expect those who derive their incomes from a direct gamble of investing their money in a private enterprise to assist, through taxation, to finance such other enterprises which obtain benefits without risk, and contribute nothing thereto.—W. L. Taylor, Alsike, Alta.

★ ★

IN the February issue of the REVIEW, a rabid anti-socialist, "R. L.", sure tries his utmost to confuse the public regarding certain political parties.

His arguments seems to run along two different lines. These are:

Case for Socialism

1. To blacken and misrepresent socialism.

2. To try to hoodwink illiterate people into believing that the misnomer, "free" enterprise — "free" exploitation — is the most suitable economic set-up which has, up to now, come into being.

Point 1. By inference and otherwise, "R. L." tries to make out that socialism is not only undemocratic, but also unsuitable. Now, this is both absurd and ridiculous! To the contrary, socialism is, and has proved itself to be, the most democratic, most idealistic and the system best suited to the existing conditions that has, so far, been evolved.

And among the most outstanding principles of socialism are the following: "The greatest good to the great-

(Continued on page 20)

KILL WARBLER CHIPMAN

WARBLE POWDER

ROTENONE (DERRIS ROOT) BASE

is the universally recognized, effective treatment. Prevent losses from damaged hides, dry cows, and under-weight beef cattle. Treat warble swellings without delay. Insist on Chipman Warble Products, used by Western Stock Growers Association and Livestock Branches of the Prairie Provinces. Economical. Easy to apply. Made to Dominion Government specifications.

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CHIPMAN CHEMICALS LIMITED
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WINDOW GLASS, Any Size or Quantity
M 1778 THE BENNETT GLASS CO. LTD. CALGARY

In War... and In Peace

THE MINNEAPOLIS-MOLINE WAR RECORD

As of December 31, 1944

According to the best available information we have, Minneapolis-Moline is the first and only company in the U.S.A. to win all the following awards for production efficiency:

1. Victory Fleet Flag and Maritime "M" Pennant. (Minneapolis plant.) Now with five Gold Stars each denoting 6 months of high production achievements.

2. Army-Navy "E" (Como plant.) With an additional Star for continued Meritorious Production.

3. The Army Ordnance Banner. (Minneapolis and Hopkins plants.)

MM is one of only 23 companies in the U.S. to have earned five consecutive awards from the U.S. Maritime Commission for continued high quality and high production achievement.

MM was one of the first 45 firms in the U.S. to win The Maritime "M" Pennant.

In addition MM was one of the first 100 firms to set up a Labor Management Committee. The U.S. Treasury Dept. reports that MM was one of the first 100 large firms whose employees invested 10% or better in War Savings Bonds.

For this MM proudly displays the Treasury "T" flag. MM was awarded the Governor's Safety Award for a well-established safety program and has contributed to the War Production Fund of the National Safety Council to help stop accidents. Minneapolis-Moline is dedicated to do all in its power to back up the men and women on the fighting fronts. They are the ones who are winning this war so that this land of ours and our way of life may be preserved for all of us—and for future generations.

MINNEAPOLIS-MOLINE produces a complete line of tractors and power farm machinery for modern needs as well as horse drawn farm implements and many specialties for industry, for the war effort, and some special farm machines for foreign markets.

MINNEAPOLIS-MOLINE produces a complete line of tractors and power farm machinery for modern needs as well as horse drawn farm implements and many specialties for industry, for the war effort, and some special farm machines for foreign markets.

IN THE SERVICE

As of December 1, 1944, one thousand and four hundred and forty-three MM employees had left our company to serve in the armed forces.

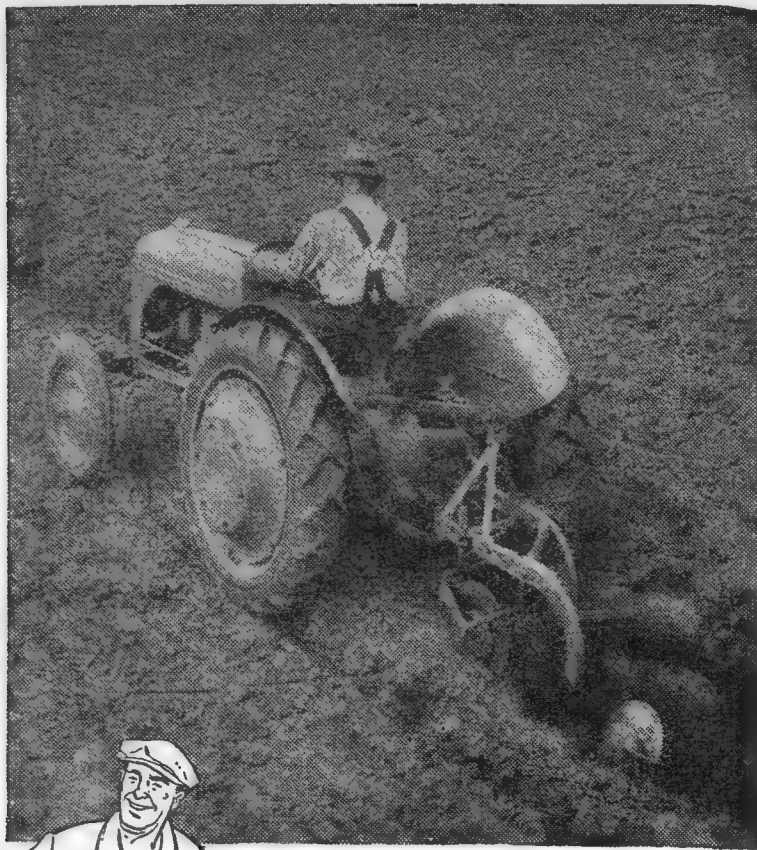
To all the men and women in the armed forces MINNEAPOLIS-MOLINE pledges its utmost on the home front endeavors until Victory is ours.

Many former Minneapolis-Moline employees in the armed forces have received high military honors, 4 are known to be prisoners of war, 4 are missing in action, and a considerable number have been wounded.

MINNEAPOLIS-MOLINE has been informed that up to December 1, 1944, nineteen of its former employees "have given their last full measure of devotion".

BRAVE MEN SHALL NOT DIE BECAUSE WE FALTERED

MINNEAPOLIS-MOLINE



**"Best hired-man
I've ever
had!"**

... That drum of Imperial Oil fuel for tractors means a lot these days to the hard-pressed short-handed Canadian farmer. It's the power behind his tractor—a "hired man" that works for just a few pennies a day, and speeds up ploughing, seeding, harvesting and many other jobs around the farm.

With farm labour scarcer than ever this year, it's vital to keep your farm machines on the job. Safeguard their performance, increase their life by using dependable Imperial Oil Lubricants and Fuels designed for farm service. Your friendly Imperial Oil Agent will bring them to your door. But it is important that you place your order now so that you will be assured of having the products you need in good time.



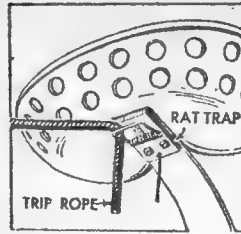
IMPERIAL OIL LIMITED

**... There is an Imperial Oil Product
for Every Farm Use.**

Handy Devices

By Courtesy Popular Mechanics Magazine

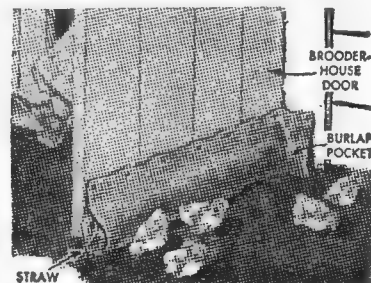
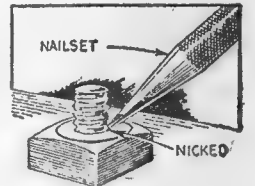
SAFETY RELEASE FOR TRIP ROPE



If the trip rope leading to a machine pulled by your tractor is broken often when a machine is accidentally uncoupled, or when you forget to disconnect it when unhitching the implement, this trouble can be avoided by using a rattrap as a safety release. The trap is bolted under the tractor seat and the end of the rope end should be wrapped with twine to prevent ravelling instead of the customary method of tying it in a knot, which would not let the rope slip from the trap.

NICK THREADS TO HOLD NUT TIGHT

When a nut must be held tight on thin, springy sheet metal and a lock washer cannot be used, turn the nut down tight, then place a nailset in the position shown and strike it a light blow with the hammer. This will dent the threads sufficiently to prevent the nut from loosening under vibration or movement.

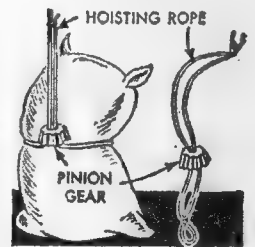


PROTECT SMALL CHICKS

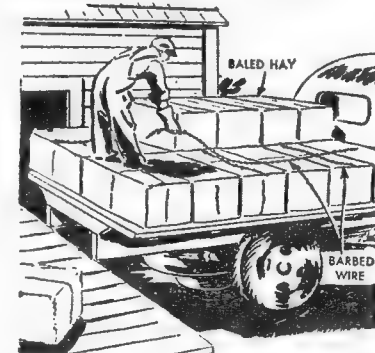
Every chick in the brooder house is valuable and to keep them from being injured under the edge of the door when it is opened, one poultryman tacked a folded piece of burlap to the bottom edge of the door and filled it with straw to serve as a cushion. When the door is opened, the cushion brushes the chicks harmlessly out of the way.

SLIP-PROOF LOOP ON HOISTING ROPE

FARMERS who are obliged to hoist sacks of grain to an upper floor in a building for emptying or for storage, will find this slip-proof loop in the hoisting rope a time and labour-saving method of attaching and releasing the sacks. A large permanent loop is tied in the rope end, after which a small pinion gear is slipped over it and a knot tied in the lower end of the loop to keep it from sliding off. In use, the loop is opened and closed to receive a sack by sliding the gear up or down, after which the gear bears tightly against the sack to keep the loop closed under the weight of the load.



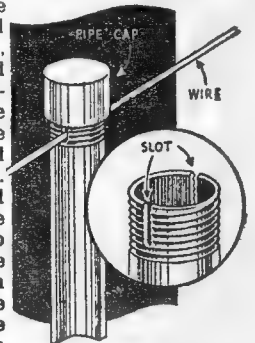
BARBED WIRE FOR BALED HAY



TO keep bales of hay, straw, etc., from shifting while being hauled on a truck, one driver uses lengths of barbed wire. These are laid both crosswise and lengthwise of the truck between the layers of bales as they are loaded. The barbs on the wire dig into the bales and thus help prevent them from shifting out of place.

LOCKING WIRE

WHEN building a low fence to enclose a small plot of ground, using a single wire and pipe stakes, the method shown of fastening the wire to the stakes will keep it taut. The upper end of each stake is threaded to take a pipe cap and then slotted to take the wire. The cap is then turned on the end of the stake for driving it into the ground, after which the cap is removed, the wire placed in the slot and the cap turned back down on it tightly. — L. B. Robbins, Harwich, Mass.



Carelessness with Truck is Costly

IT may be a long time before the average farmer can buy a new truck. Certainly not until after Victory comes can manufacturers get into full production of civilian trucks. The most sensible thing to do then is to keep our old trucks rolling.

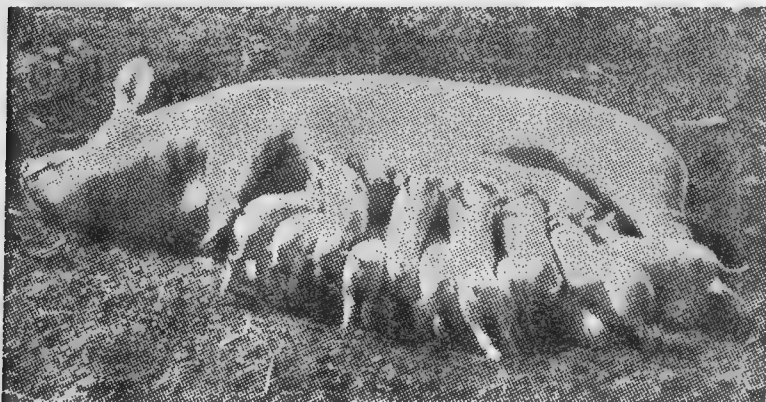
Carelessness, neglect and abuse are the chief reasons why trucks do not last as long as they should. If motor trucks are left exposed to all kinds of weather and jerked around by careless driving over bad roads, then relatively short truck life can be expected.

Abuse trucks and they will wear out quickly, but handle them properly and carefully, and they will give you long life and satisfactory service.

THE tools of Canadian agriculture, farm machinery, have a value almost equal to the value of all farm livestock in the Dominion. In the 1941 census when livestock production was high and farm machinery low, the value of all livestock was \$609,470,000, and the value of farm machinery and equipment was \$599,681,000.

Canada's greatest competitor for the British market—Denmark—had two million head of hogs on her farms in 1944. That number is only 700,000 less than the Danish hog population in the years 1937 and 1938. The low point was from 1941 to 1942 when Danish hog numbers dropped to 1,100,000.

Save More Little Pigs Per Litter; Percentage Counts in Profits



Since average losses are four small pigs out of a litter of ten, every one of these youngsters brought safely through this stage and along to market weight will add materially to the owner's profit. The accompanying article lists a number of precautions to be taken against this unnecessary loss.

ONE dollar saved out of ten or one pig saved out of ten is very nice percentage on the right side of the books. If, in the case of little pigs, two or three can be saved out of a normal loss of four, the saving makes a notable contribution to a nation's wartime food supply.

The reduction of losses in newly farrowed and suckling pigs is the first essential to profitable production. Every extra pig saved will help to increase the production of bacon and every pig saved and raised to 200-215 pounds means an additional 120 pounds of bacon for Britain, says H. E. Wilson, Dominion Experimental Station, Lacombe.

In an average litter of ten pigs there is a potential supply of approximately 1,200 pounds of bacon for export, in the form of Wiltshire sides. It has been estimated that out of every ten pigs farrowed, four die before reaching market weight and most of these before weaning age, reducing by almost one-half the amount of bacon that could be exported to Britain. That is a loss which neither farmers nor the nation want at a time when food is so important.

One of the first steps in the saving of more pigs per litter is to provide suitable accommodation for sows farrowing during the winter and early spring months. As cold farrowing pens will result in the chilling of the newly farrowed pigs and cause many deaths, artificial heating in the form of a brooder house, a heated piggery, or electric pig brooders, should be provided.

Sanitation Essential

Some of the mortality is also probably due to a lack of sanitation in the farrowing pen. If the pen is carefully gone over with boiling water followed by a strong lye solution (1 pound of lye to 30 gallons of lukewarm water), not only will the eggs of every species of worm be destroyed, but also all forms of disease-producing bacterial life.

Another worth-while practice which is followed at the Lacombe Station is to place the sow in the farrowing pen about a week before she is expected to farrow so that she may become accustomed to the sights and smells of her new surroundings.

A small amount of bedding, preferably cut straw, should be left in the pen. The heavier and fatter the sow the less the amount of bedding. A guard-rail which may be a 2" by 4" piece or a small pole placed about 8" above the floor and 6" away from the side walls saves many pigs from being crushed by heavy sows.

THE attendant should be on hand while the sow is farrowing. When the sow is irritable or clumsy the pigs should be removed from the pen as soon as born, rubbed with a piece of sacking and placed in a box covered with a blanket to ensure warmth. If the building is cold, some warm bricks and a couple of blankets will prevent the pigs becoming chilled. As soon as the sow has finished farrowing the whole litter should be placed with her and care given to see that all the pigs receive milk.

Pigs are born with long, sharp "wolf" teeth, also called "needle" teeth or "black" teeth. As these temporary, tusk-like teeth are likely to injure the sow's teats when nursing, or other pigs when scuffling with each other, it is advisable to remove these sharp teeth right after birth. This is best done by cutting them off close to the gums with sharp side-cutting pliers. Never pull or break off these teeth as the gums or jaws may be injured.

Iron for Anaemia

With early-farrowed litters, anaemia is a common cause of deaths of pigs between the ages of one and four weeks. This is caused by a deficiency of iron in the sow's milk. Feeding the little pigs reduced iron when they are 72 hours old and once a week afterwards until they are eating solid food out of the trough will prevent the disease.

Place well back on the tongue of each little pig as much reduced iron as will lay on a small five-cent piece. A liberal supply of clean grass sods placed in the pen daily is another though less direct method for the prevention of anaemia.

...

Canada's Livestock Records for 1944

NEW records covering Canada's livestock industry were established for 1944, as follows: Hog slaughterings estimated, 8,850,000 head, 24 per cent over 1943 and 41 per cent over 1941, the previous high year. Bacon and pork exports (estimated) 755,300,000 lbs., 28 per cent over 1943 and 56 per cent over 1941. Slaughterings of cattle (estimated) 1,350,000 head, 32 per cent increase over 1943. Cattle herds on June 1, 1944, were the largest on record. In the week ending December 9, 1944, 40,187 cattle were handled through Canadian plants, an all-time record. Beef exports for 1944, estimated at 140,000,000 lbs. were eleven times the exports of 1943. Slaughter of calves, sheep and lambs also exceeded all previous yearly totals.

More Alfalfa Seed Wanted in 1945

RECOMMENDATION for a total production of fifteen million pounds of alfalfa seed this year, a 93 per cent increase over Canada's 1944 production, was made by the Dominion-provincial agricultural conference.

Alberta produces a considerable volume of alfalfa seed each year. There is a good market for every pound of alfalfa seed that can be produced and wherever possible efforts to increase the present production should be made.

AGRICULTURE Minister D. L. Campbell, of Manitoba, has announced that the provincial government will pay \$1 a head to owners of beef and dairy cattle for vaccination against Bang's Disease.

MORE PROFITS FROM YOUR PIGS

Give your pigs a break with a concrete feeding floor and hoghouse. They'll fatten quicker, pay you better and you'll save yourself a lot of work. Concrete improvements are easy and economical to build. Read about them in "What the Farmer can do with Concrete" describing silos, barn floors and foundations, milk houses, root cellars and other concrete improvements. Mail coupon below today.

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Send me your book—

- ☐ "What the Farmer can do with Concrete"
☐ "Modern Hog Farm Improvements"

Name.....

Address.....

Heifer is Donated To Help Boys' Camp

WITH entire proceeds being used for the support of the Sylvan Lake Camp fund, the Irricana Corps of the Royal Canadian Army cadets is staging a membership drive in which those subscribing to the corps will be eligible for a draw for a registered Hereford heifer donated by the Wright & Bond Ranch, of Irricana, Alta.

Due to the fact that the Dominion government has withdrawn grants towards maintaining junior cadet camps it is necessary for the Irricana Corps to raise sufficient funds to operate its camp at Sylvan Lake in the summer. Some 60 boys from the Irricana, Kathryn districts attend the camp each year.

The heifer to be drawn for is Model Mischief Lass No. 169525. She will be on display at Calgary during the annual Spring Bull Sale. Other prizes to be drawn for include a \$50 War Savings Certificate and a model battleship.

ENSURE CLEAN CROPS

IF there is any one thing more important than another to a farmer, it is clean seed, writes a well-known farming authority. In a surprisingly short time it will be seeding time again and farmers should be thinking about having their seed cleaned and tested for germination. The use of clean, well graded seed is one of the best forms of crop insurance. Clean seed means more production and more earnings.

RE-ELECT OFFICERS

DIRECTORS of Edmonton District Milk Producers' Association recently re-elected as officers: President, J. W. Hosford; vice-president, John Crozier; secretary, R. J. Gibb; board members, A. M. Adamson, Ralph James, Stewart Smith and William Schroter.

The organization is considering the purchase of one or more distributing plants.

Saskatchewan Dairy Meeting Told of World Demands

THE world's need today for good food is enormously greater than the world's total production, and given satisfactory international trade and economic arrangements there can be little danger of producing too much food. This was the message brought to the annual convention of the Saskatchewan Dairy Association at Regina by Kenneth W. Taylor, head of foods administration, the War-time Prices and Trade Board, Ottawa.

Even in Canada, one of the best-fed countries in the world, he added, large sections of the population often fall far short of attaining their necessary food requirements. "We need both

short and long-range programs on both national and international scales which have as their goal a constantly increasing efficiency in the production, processing, transportation and merchandising of food. Our immediate problem as the war draws to its close are the needs of liberated and desolate areas. These needs for relief and rehabilitation will be very great."

Canada's special position as a food producer had been recognized. She was one of the three full members of the combined food board which organizes allocation of the total supplies of food within the control of the United Nations.

Amazing Production

Mr. Taylor said Canada's food producers had done an "amazing" job. Since 1939, 80 per cent of the pre-war working force had produced 140 per cent of the pre-war volume of supplies.

In comparison with the average production of 1935-39 the 1944 production figures in tons, bushels or hundred-weight showed increases of 71 per cent in meats, 68 per cent in eggs, 57 per cent in grains, 22 per cent in fruit and vegetables and 13 per cent in total milk. Farm cash income had reached record levels.

J. S. Turnbull, of Regina, succeeds J. W. Ward, of Birch Hills as president of the Association for 1945. E. Strudrick, of Fort San, was elected vice-president, and directors include Mr. Ward, H. Latrace, Dr. V. E. Graham, E. A. Lewis and H. Sommerfeld, of Saskatoon, C. F. Ironside, of Swift Current and W. G. Carruthers and E. A. Bitney, of Regina. P. E. Reed was returned as secretary-treasurer.

Professor R. P. Forshaw, of the University's animal husbandry department addressed the convention on dairy cattle improvement through selection and breeding. He emphasized that the weeding out of inferior bulls was important since it had been found that more than half the bulls used in U.S. dairy herds produced daughters which did not equal the production records of their dams. Aids in selecting good producing blood-lines included the use of lifetime averages, study of pedigrees, and the keeping and study of type and production records. Artificial insemination was valuable in herd improvement where data was available on the ability of the bull to transmit good production factors to his daughters.

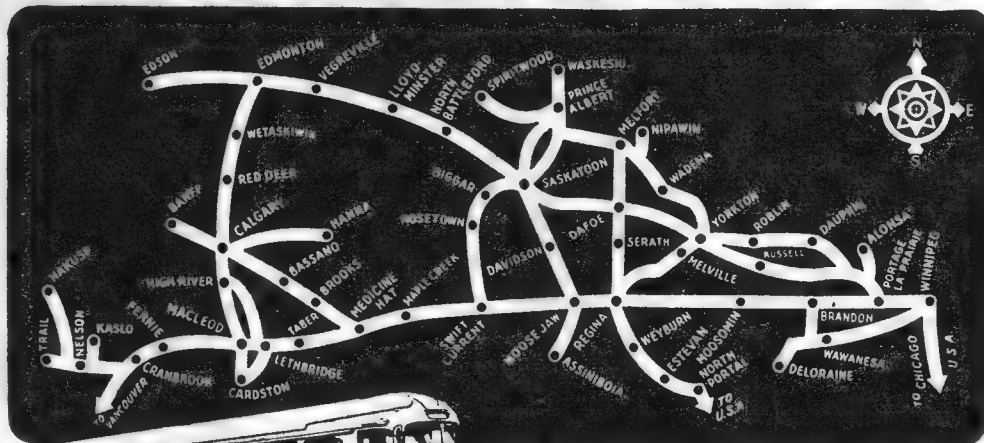
Balanced Rations

Prof. J. M. Brown, of the University of Manitoba, animal science department, stressed the importance of feeding balanced rations and urged dairy men to inform themselves of the facts of animal nutrition and to put these into practice. Dairy rations could be balanced by supplementing home-grown pastures, hay and grains with the necessary commercial protein and mineral constituents.

L. B. Thomson, superintendent of the Swift Current experimental station, outlined many forage crop problems of interest to the dairyman, emphasizing the best time of cutting legumes and grasses for hay. As a rule, Bromie and Western rye grass were cut too late for best results.

Dr. George Britnell discussed the Dominion government's post-war policy of floor prices for farm products, pointing out that such a program would be difficult to carry out unless world trade were maintained at a high level. The convention also heard from Premier T. C. Douglas an outline of the stand of the Saskatchewan government in the controversy with Ottawa over seed grain loans.

Now! THROUGH TRAVEL via GREYHOUND



For further information, regarding fares and schedules, please phone or write your local Greyhound agent, or write Greyhound Lines, Calgary, Alberta.



Now you can travel between Winnipeg and Vancouver and all intermediate points via Greyhound Lines. Clip the map from this advertisement for handy reference.

Travel Greyhound, Western Canada's finest travel system, and enjoy complete travel satisfaction at low cost. Clean, heated De Luxe Coaches at your service with dependable, courteous drivers.

WESTERN CANADIAN
GREYHOUND
LINES

MAKE LIVESTOCK PAY



* SOL-MIN

Mineral feed supplement for horses, cows, sheep. Adds the necessary growth ingredient to the feed.

* PIG-MIN

Specially prepared mineral supplement for pigs. Guards against rickets, hairlessness etc. Gives rapid growth.

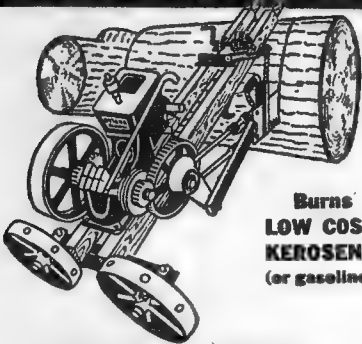
Buy from your dealer

CANADIAN INDUSTRIES LIMITED

GET BIG PROFITS from SMALL INVESTMENT

OTTAWA

5 H-P LOG SAW



Burns
LOW COST
KEROSENE
(or gasoline)

PLENTY OF POWER for FASTER — EASIER CUTTING

Demand for wood is increasing and prices are higher than ever before. You can make big money sawing wood—if you have an Ottawa. Equipped with a sturdy 5 H-P engine. Designed for easy handling. Complete one-man machine with Safety Saw Guide and other exclusive Ottawa features.

USE FOR OTHER JOBS—when not sawing wood, use engine for any belt job. Thousands in use. **FREE BOOK** and price list at your request. Write today.

OTTAWA MANUFACTURING COMPANY
372 Wood Ave., Ottawa, Kans., U.S.A.

It's a good Idea

To Have a Nest Egg

The housewife, planning for her kitchen of tomorrow; the business man thinking of post-war expansion; the farmer dreaming of new machinery in the years to come; all will need a "nest egg" of savings to make these dreams come true.

There are three savings plans offered by Treasury Branches, tailor-made to fit your needs. Your Treasury Branch manager will be glad to explain them in detail. See him soon, for your "nest egg of tomorrow"!

TREASURY BRANCH

News Items Of Interest

ROBERT Gardiner, 65, who retired at its January convention after 14 years as president of the U.F.A., died February 6 in a Calgary hospital following a prolonged illness. His funeral was largely attended.

Elected as representatives of the armed services in the Alberta legislature are (Army) Capt. J. Harper Prowse, Edmonton; (Navy) Chief Petty Officer Loftus D. Ward, Calgary, and (R.C.A.F.) Wing Commander F. C. Colborne, D.F.C., Calgary.

THE A-20 army training centre at Red Deer was taken over on March 1 as a rehabilitation centre for returned servicemen. It will give training courses in agriculture and advanced courses in automotive mechanics. The agricultural training to be provided under the Veterans' Land Act will include instruction in soils and crops; livestock, dairying, poultry and beekeeping, farm mechanics and farm management.

Registration has started in Prince Edward Island, and will move westward, for benefits under the Family Allowances or so-called Baby Bonus Act which is to become effective throughout Canada July 1.

TEN passengers including six members of the British Foreign Office were killed when a plane carrying a number of Prime Minister Churchill's aides crashed while en route to the Big Three Crimea Conference. Among those killed was Miss P. M. Sullivan, a typist, a daughter of Col. Arthur Sullivan, of Winnipeg.

Premier John Hart, of British Columbia has announced that an offer has been made to the C.P.R. and C.N.R. that they jointly purchase and operate the provincially-owned Pacific Great Eastern Railway, extending it from its present terminus at Quesnel to Prince George and into the Peace River country.

HON. G. H. Williams, minister of agriculture in the Saskatchewan cabinet, resigned his portfolio on February 20 on account of ill health. A former leader of the C.C.F. party in the province, Major Williams was with the Canadian Army overseas when he became ill last year. He is succeeded by Hon. L. F. McIntosh.

W. A. MacLeod director of Publicity for Canadian Co-operative Wheat Producers, Ltd., resigned from membership in the Winnipeg Board of Trade, stating that he could not continue to be associated with an organization "which is openly allied with enemies of the co-operative movement".

THERE is significance in the fact that Yalta, latest meeting place of the Big Three, was in the hands of the Nazis not so long ago, and that Malta, where Churchill and Roosevelt met, was beleaguered over a long period prior to the invasion of Sicily.

Premier Manning of Alberta announced that the government plans to re-open the Vermilion School of Agriculture which has been closed for some time and previously was used as a C.W.A.C. training centre.

GENERAL Ivan Cherniakhovsky, commander of the Third White Russian Army, died of wounds sustained in battle on February 18. The Jewish general was conqueror of all of Lithuania and most of East Prussia.

Hello! What's on the Menu?



FUTURE POULTRY PROFITS DEPEND ON WHAT YOU FEED THEM NOW!

Every poultryman knows that thriving, vigorous chicks are not just hatched . . . **THEY BUILD WITH BALANCED CHICK-DEVELOPING FEEDS!** The **MONEY-MAKER** feeds are scientifically compounded to cater to the delicate digestive system of the chick . . . providing all essential ingredients that speed maturity and produce quality pullets and roosters.

See your local U.G.C. agent and start using . . . start increasing poultry profits by feeding



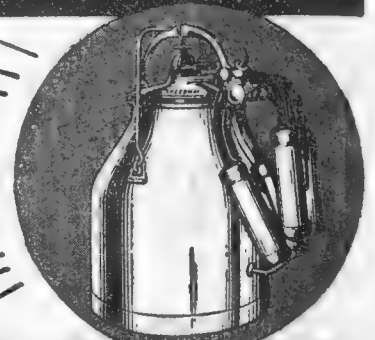
CHICK STARTER



Sold at **UNITED CRAN CROWERS LTD.** Elevators and Dealers

Both ARE NECESSARY FOR BEST RESULTS

FAST MILKING
UNIFORM MILKING



... AND Both CAN BE HAD ONLY IN THE DE LAVAL MAGNETIC SPEEDWAY MILKER

Fast milking plus uniform milking . . . form the unbeatable combination that provides best milking results. Both are necessary for the kind of fast, clean, profitable milking that every dairyman wants.

Fast milking is a built-in quality of the De Laval Magnetic Speedway Milker . . . and with the De Laval Speedway Method of Fast Milking users are obtaining the top brand of fast, clean milking.

Uniform milking is also a built-in feature of the De Laval Magnetic Speedway. Pulsation, for all units in use are controlled from one central point by magnetic force. Hence . . . all units milk with exactly the same speed and action at all times . . . delivering perfect uniformity of milking.

Fast and uniform milking means best results . . . and that's what you want for your herd.

DE LAVAL STERLING MILKER

The De Laval Sterling Milker is particularly adapted for those to whom lower price is an important consideration. The Sterling Pulsator has only two moving parts, gives positive milking speed and action that pleases the cow. De Laval Sterling single or double units may also be used on any other make of single pipe line installation.



DE LAVAL SEPARATORS

De Laval Cream Separators skim cleaner, last longer, cost less per year of use and earn more. They produce highest quality cream and may easily be washed in a few minutes' time under ordinary farm conditions. Made in a wide variety of sizes and styles and at prices to meet every need and purse. Hand or motor drive.



THE DE LAVAL COMPANY, Ltd.

PETERBOROUGH

MONTREAL

WINNIPEG

VANCOUVER

"Jack will have a better chance than I did"

"Young Jack raised that calf, and he's proud as punch of it. He'll make a real farmer one of these days."

"Takes to it naturally, eh?"

"He sure does. And he'll have a better chance than I did. I began with almost nothing and had to support my parents. The first ten years were mighty tough. But now I've got enough with my life insurance to guarantee that Jack and his mother will be looked after until he's old enough to take over the farm, if anything happens to me. And if I live, there'll be an insurance pension coming in for his mother and me, so that we'll be able to sit back a bit and take it easy. It's a great feeling, to know you've taken care of the future".

.....

Because it has well served man's urgent needs for financial protection, independence and peace of mind, life insurance has steadily grown in public favor. Under sound management, proper insurance laws and competent government supervision, it now safeguards the future of more than four million Canadians. In no other way can individuals pool their savings and at the same time enjoy protection, for the mutual benefit of themselves and their loved ones.



It is good citizenship to own LIFE INSURANCE

A message from Life Insurance Companies in Canada

LF744G

Give Tractor Final Check-Up In Readiness for Spring Work

DURING the winter months while the tractor is usually idle is a good time to check it over and get it in 100 per cent shape for the next operating season, says J. L. Thompson, Dominion Experimental Station, Swift Current, Sask., where a special study is made of farm machines.

After the tractor has been thoroughly warmed up it should be stopped and checked for compression. This is done by turning the motor over by crank and rocking each individual cylinder on compression. If all the cylinders are equal and have good compression, then the rings and valves are satisfactory. If there is a weak cylinder, take out the plug and pour in a cup of oil. If the cylinder still does not hold compression, then the valves are leaking on that cylinder. The head should be taken to a good shop and reconditioned, or the whole motor, if rings leak. In most cases it is better to have major overhaul done in a shop well equipped with precision machines. While there bearings and other parts can be checked and adjusted.

Clean Carburetor

The air cleaner and carburetor should be removed and thoroughly cleaned. If the float valve can be blown through, replace it. Re-assemble and replace with new gaskets, making sure the air cleaner connections are tight. Check magneto points and if signs of burning are indicated, remove and take it to a good service man for checking and greasing. Spark plugs can be cleaned and checked. Replace wires if breaks are found.

Check radiator, hoses and fan belts as well as water pump. Have radiator repaired by a good radiator service man if it leaks. Replace hoses and belt if necessary. Check over the water pump and renew worn parts. Make sure that only water pump grease is used in lubricating pump. It is also good practice to use a rust preventative in the cooling system to prevent corrosion to radiator and block.

Jack up the front wheels and check bearings for end play. Check spindle and tie rod bushings. Replace if worn. New bushings usually have to be reamed to fit. Remove wheels, clean out old grease, replace seals if leaking and re-pack with a wheel-bearing grease. They require no further attention for at least 1,000 hours. Readjust bearings by tightening up snug and backing off 1/6 of a turn.

Check Rear Wheels

Raise the rear wheels and check for end play. Adjust if too loose. By rotating a rear wheel the adjustment and condition of the differential can be determined. There should only be a slight amount of free movement. Change the oil in the transmission and rear ends every 1,000 hours of operation. Use grade of oil indicated by instruction book. If transmissions or rear ends are noisy they should be overhauled in a shop equipped for such work.

In the fall or during the check-up, the tires (if on rubber) should be

washed and painted with a good tire paint. This helps to preserve the rubber and prevents checking.

During operation and before overhaul, clean the motor down with solvent. Machinery lasts longer and looks better if it is kept clean. During operation, change oil at 100 hours; grease as indicated by instruction book. The valve clearance should be checked every 200 hours of operation. If tractors are kept clean and thoroughly maintained while in the field, they will last longer and give better satisfaction.

.....

Rural Electrification Planned in B.C.

A PLAN of rural electrification improvement in British Columbia calling for an expenditure of \$6,515,846 on extensions of service, and a proposal for consolidating 23 private utility operations which have a total investment of \$9,486,933 was reported to the British Columbia legislature recently by Premier Hart.

It was contained in the final report of the government's rural electrification committee and will form the basis of the government's rural hydro bill to be introduced shortly.

.....

BURKE IN NEW POST

APPOINTMENT of H. H. Burke as general manager of Great West Distributors Ltd. is announced by Mrs. George A. MacKenzie, President of the company. This is in line with the firm's re-organization program designed to extend its services to meet new post-war demands. Preparations also are being made for the rehabilitation of employees of the company serving in the Armed Forces. Cpl. M. MacKenzie, a director and formerly advertising manager of Great West Distributors, is serving in the R.C.A.F., overseas.

Mr. Burke, who is well known in the oil and motor industries in the West, was one of the founders and directors of the Prairie Flying School at Regina.

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(Continued from page 15)

est number," and, "human rights before property rights," etc. Thus the principles of socialism more closely resembles Christianity than those of any other political system.

And now let us look into the record of the old line parties. There we will find that the record of the old Conservative party shows that said party has been "part and parcel" of big business enterprises. Witness its high, protective (for big "biz.") tariff policy, which was instituted for the specific purpose of aiding and succoring large business companies and concerns (exploiters). And the Liberal party was following very much in the footsteps of the Conservatives. Furthermore, the two old line parties seemed to have this tendency in common: Whenever and whichever of the two capitalistic parties held the power of government, federally or provincially, the conditions in general for the common people always went from bad to worse.

And if either of the above named parties should again be elected to power at Ottawa in the forthcoming federal election, then God help the people of Canada!

—A. Bakkin, Twin Valley, Sask.

Seeks Support for Co-Op. Implement Plan

ALBERTA farmers, especially those in the south, are far behind Saskatchewan and Manitoba in support of Canadian Co-operative Implements Ltd., said John Brown, of Winnipeg, president at a meeting of farmers in the Calgary Labour Temple on February 20.

C.C.I.L. does not intend to go into the manufacturing business, he stressed. Its only function will be distributive. It intends contracting to market the machinery of only one of the established manufacturers. By eliminating many of the "frills and wastes" of the present distributive system it hopes to effect substantial savings.

FUL-O-PEP Chick Starter Offers Poultrymen



\$1000.00
in
CASH PRIZES!

50 CASH PRIZES!
(50 Chances to Win)
TOTALLING \$1000.00

GRAND Prize \$250.00
SECOND Prize 150.00

THIRD Prize 100.00
FOURTH Prize 50.00

FIFTH Prize \$50.00

FIVE Prizes 25.00 Ea.

FIFTEEN Prizes 10.00 Ea.

TWENTY-FIVE Prizes 5.00 Ea.

WIN \$250.00 CASH
ITS SIMPLE! ITS EASY! ENTER RIGHT AWAY!

LOOK! IT'S EASY TO WIN!
HERE'S ALL YOU DO:

HINTS TO HELP YOU WIN

1. FUL-O-PEP CHICK STARTER has an OATMEAL base.
2. OATMEAL is Nature's prize grain for GROWTH and STAMINA.
3. OATMEAL gives chicks EXTRA resistance, helps cut down mortality.
4. FUL-O-PEP CHICK STARTER is fortified with concentrated Spring Range.
5. Concentrated Spring Range is the famous FUL-O-PEP Vitamin Boost, made from young unjointed cereal grasses cut in the Spring.
6. These young, unjointed grasses, with nothing removed but the water give your chicks Nature's richest Vitamin Combination.
7. FUL-O-PEP CHICK STARTER builds healthy, sturdy bodies for your chicks, keeps them in top condition.
8. FUL-O-PEP CHICK STARTER means bigger, fleshier pullets; huskier, healthier layers and breeders.
9. Birds started on FUL-O-PEP CHICK STARTER will lay bigger, firmer-shelled eggs... and you will get more eggs than ever before.
10. Here is the kind of statement which may win a prize... and it's true.
"I believe that FUL-O-PEP CHICK STARTER is the most profitable feed I have ever used because it is economical to feed, keeps more of my chicks alive and healthy. My records show that FUL-O-PEP CHICK STARTER cuts chick mortality, gives me healthier, huskier pullets. With such a splendid start, my birds can't help but be profitable layers."

Just write in your own words a simple statement of one hundred words or less on the subject:

"WHY I BELIEVE FUL-O-PEP CHICK STARTER IS THE MOST PROFITABLE CHICK FEED I HAVE EVER USED."



Use the entry form at the bottom of this advertisement right away and be sure to have one tag from a FUL-O-PEP CHICK STARTER bag. There is a tag with every bag. See your dealer now.

You have 50 chances to win. Think what you could do with the Grand Prize of \$250.00 in crisp new money. Anyone can enter so long as each statement is accompanied by one Quaker FUL-O-PEP CHICK STARTER tag.

CONTEST RULES

1. Write a statement of one hundred words or less entitled, **"Why I believe FUL-O-PEP CHICK STARTER is the most profitable feed I have ever used."**
2. Entries will be judged on frankness and sincerity, and will not be influenced by fancy writing, illustrated or decorated letters.
3. Anyone may enter except employees of The Quaker Oats Company of Canada Limited and their families.
4. Each entry must be accompanied by one tag from a bag of FUL-O-PEP CHICK STARTER.
5. Decisions of the judges will be final.
6. All entries must be addressed to The Quaker Oats Company of Canada Limited, Box 100, Peterborough, Ontario.
7. All entries become the property of this Company.
8. All entries must be post-marked not later than July 1, 1945.

THE QUAKER OATS COMPANY OF CANADA LIMITED
Peterborough and Saskatoon

USE THIS ENTRY FORM TODAY!

The Quaker Oats Company of Canada Limited,
Box 100, Peterborough, Ont. or Saskatoon, Sask.

GENTLEMEN:

I wish to enter your contest in accordance with the rules as outlined. Attached is a tag from a bag of FUL-O-PEP CHICK STARTER together with my statement of one hundred words or less on the subject

"Why I believe FUL-O-PEP CHICK STARTER is the most profitable feed I have ever used."

Name.....
(Please print carefully)

Address.....

Town..... Prov.....

Dealer's Name.....

Dealer's Address.....

GRAIN GROWERS



FIGHT PROFIT DESTROYING DISEASES

Guard against bunt, smut, stripe and certain other seed borne diseases. Treat seed before sowing, by this easy dust method. Costs less than 3¢ per bushel of seed. Treatment frequently increases yield 6% to 18%. Approved by agricultural authorities.



CERESAN

Seed Disinfectant for
WHEAT, OATS, BARLEY and FLAX
Buy from your supply house
CANADIAN INDUSTRIES LIMITED
FERTILIZER DIVISION

BUILD-ARC WELDER

FROM OLD AUTO GENERATOR.
For light or heavy work. 75-200
amps. Single or twin 35c brings
complete plans and Big
1945 catalog listing
many electrical items.
Over 100 other genera-
tor changes. Write to:
LeJay Mfg., 1374 LeJay Bldg., Minneapolis 5, Minn.



CANADA'S LARGEST

Bull Sale

and LIVESTOCK SHOW
CALGARY

MARCH 19 to 23, 1945

1000 Purebred Bulls Comprising:
650 HEREFORDS,
191 SHORTHORNS, and
159 ABERDEEN-ANGUS
All registered and T.B. Tested.

HORSE SALE

700 Head of Select Agricultural,
Heavy Draft, Saddle Horses and
Purebred Mares.

MARCH 12th, 13th, 14th, 1945

Write for Sale Catalogues direct to
ALBERTA LIVESTOCK ASS'N
CALGARY, ALTA.

SASKATCHEWAN
CATTLE BREEDERS' ASSOCIATION

SALE

Exhibition Grounds, REGINA
MARCH 29th and 30th, 1945

Over 350 Head of
PURE-BRED MALES AND FEMALES
HEREFORDS, 150,
ABERDEEN-ANGUS, 42,
SHORTHORNS, 160

A Sale of Registered Bred Sows will be
held by the Saskatchewan Swine
Breeders' Association on
WEDNESDAY, MARCH 28, at 2 p.m.,
in the Sheep and Swine Barn at the
Exhibition Grounds.

Catalogues can be obtained by writing:
ALEX HALL,
Department of Agriculture, Regina

The order of the Cattle Sale will be
as follows:
Judging of all breeds, Wednesday, March
28th, starting at 9:30 a.m.

SALE

HEREFORDS—Thursday, March 29th, at
9:00 a.m.

ABERDEEN-ANGUS — Friday, March
30th, at 9:00 a.m.

SHORTHORNS—Friday, March 30th, at
11:00 a.m.

TERMS OF SALE — CASH.
Catalogues can be obtained from
C. E. BEVERIDGE, Secretary,
Department of Agriculture, Regina

American Buyers Expected as Usual At Calgary's 45th Annual Spring Bull Sale

PLANS for a record bull sale and fat stock show at the Calgary Exhibition grounds are being made by officials in charge of the 45th annual event, March 19 to 23, and catalogues have been mailed out listing nearly 1,000 bulls and 50 females of the three beef breeds. Herefords predominate in numbers, followed by Shorthorns and Aberdeen-Angus. Not only is the entry list one of the largest in the history of the show, but special steps will be taken to cull out any inferior animals offered, ensuring that the quality of stock passing through the sale ring will be uniformly high.

As a result of negotiations carried on with Ottawa and Washington, officials of the sale have succeeded in having the restrictions lifted which at one time threatened to interfere with the shipment of bulls into the United States. Consequently, American buyers in their usual numbers are expected at the sale and they may ship their purchases to their home destinations as in former years.

In the big entry list from the best breeders in the province will be found plenty of strong, rugged, thick bulls for range use and many improving sires for the farmer with a smaller herd. J. W. Durno, of Calgary, as usual, will be the leading auctioneer, and he will be assisted by Matt. Hasen, of Kamloops, and Archie Boyce, of Olds.

The female sale, while not large, will have some choice animals of the three beef breeds. Only two are accepted from any one herd, and they are especially conditioned for the sale.

The fat classes for steers and entries in the girls' and boys' junior feeding classes will be more numerous than usual. They will be judged by Lee Williams and sold on Monday, March 19, along with the female sale. Tuesday the bulls will all be judged, and it will be Aberdeen-Angus day when all the bulls of that breed will be sold. Wednesday and Thursday will be the days for the Hereford sale, and Friday has been set aside for Shorthorns. It is felt that setting the time of selling for each breed will allow those who are busy at home to be present when their favorite breed is being sold.

ON THE SPRING CALENDAR

March 7-8—Manitoba Horse Breeders' Sale, Brandon.

March 9-10—Lethbridge Horse Sale.

March 12—Alberta Horse Breeders' Association Annual Meeting, Calgary.

March 12-15—Calgary Spring Horse Sale.

March 13-15—Kamloops Bull Sale and Fat Stock Show

March 16—Edmonton Spring Horse Sale.

March 16—Brooks Horse Sale.

March 16—Provincial Junior Seed Fair, School of Agriculture, Olds.

March 19-23—Calgary Bull Sale, Baby Beef and Fat Stock Show.

March 19—Red Deer Horse Sale.

March 20-22—Lacombe Horse Sale.

March 26-28—Stettler Horse Sale.

March 26-30—Regina Winter Fair.

March 28—Canadian Aberdeen-Angus Assn. Annual Meeting, Regina.

April 3-5—Manitoba Winter Fair and Bull Sale, Brandon.

April 4—Alberta Percheron Horse Club Annual Meeting, Calgary.

April 4-7—Calgary Horse Show.

April 6—Saskatoon Horse Sale.

April 10-13—Edmonton Spring Show and Bull Sale.



FEDERATION SECRETARY

J. R. McFall, B.S.A., who has been a member of the staff of the Lethbridge Experimental Station and, for the past five years, supervisor of the Agricultural Improvement Association in Southern Alberta, has been appointed secretary of the Alberta Federation of Agriculture. He succeeds E. W. Brunson, who has taken over new duties as manager of the Eastern Irrigation District at Brooks.

Mr. McFall is a graduate of the former Raymond School of Agriculture and of the University of Alberta. He has been active for a number of years in agricultural extension work, and is thoroughly conversant with farm problems throughout the province.

Many Farm Debts Settled in Full

H. A. HOWARD, vice-president and general manager of Western branches, reported on the company's western business at the annual meeting of the Trusts and Guarantee Co. Ltd., held last month in Toronto.

He pointed out that the increased earnings of the prairie farmers had resulted in increased payments being made on farm mortgages and agreements for sale. In the past year, as in 1943, a great many accounts have been settled in full.

Mr. Howard pointed out that The Trusts and Guarantee Company opened its office in Calgary in 1905, the same year the Province of Alberta was established. He then mentioned the economic developments of the Province of Alberta in the past forty years.

The potentialities of the province will have an increasingly important effect on the national economy of the Dominion in the future, he said. "Freak legislation by Provincial governments with fantastic ideas can impede but cannot stop its progress," declared Mr. Howard.

"Dr. Griffith Taylor, of the University of Toronto," he continued, "in a recent study of Canada's role in geopolitics, comes to the following conclusion: 'It is interesting to speculate as to the centre of gravity of Canada's population a century hence. The agricultural and industrial potentialities of Alberta lend some support to the view that Calgary may surpass Ottawa and even some day rival London as a focus of the Empire.'

"This is a conclusion that should not be hastily overlooked, coming as it does from a resident of Ontario, but in any event my advice is to watch carefully the future of Alberta," said Mr. Howard.



Do YOU have BREEDING TROUBLES?

REX WHEAT OIL
The Great BREEDING Aid
For CATTLE, SWINE and
other LIVE STOCK



SATISFACTION
GUARANTEED
OR MONEY BACK

4 oz. \$1.35 - 20 oz. \$5.00
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Fat Stock Show Entries Close Mar. 24

Junior Calf Feeding Competitions.

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BULL SALE

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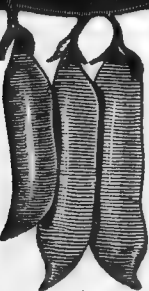
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FREE—OUR BIG 1945 SEED AND NURSERY BOOK—Leads Again

DOMINION SEED HOUSE, GEORGETOWN, ONT.

Richardson to Open Calgary Stampede

E. L. Richardson, who was general manager of the Calgary Exhibition and Stampede from 1906 until his retirement five years ago, has accepted the invitation of the management to come from Victoria to open the 1945 Show. He will be the guest of honor during the week of the Diamond Jubilee Stampede, July 9 to 14.

...

Reports More Money In Hands of Public

GRAHAM Towers, governor of the Bank of Canada reported recently net profits of the bank in 1944 totalled \$20,312,659, of which \$18,078,893 was paid over to the consolidated revenue fund of Canada, \$2,008,766 was transferred to the rest fund and \$225,000 was paid over to the government in dividends on the bank stock.

Issuing his annual report, Mr. Towers commented on the volume of money in the hands of the Canadian public in the form of bank deposits and cash.

"The volume of Canadian bank deposits and active net circulation increased from \$2,775,000,000 at August 31, 1939, to \$6,075,000,000 at December 30, 1944, that is \$3,300,000,000. Of this expansion about \$700,000,000 was accounted for by unspent balances of Dominion and provincial governments at Dec. 30, 1944, and \$2,600,000,000 represented an increase in general public deposits and active note circulation.

"I estimate that about 60 per cent of the expansion in the amount of money held by the general public is owned by individuals, and on the basis of available statistics the increase held by individuals appears to have been quite widely distributed," he said.

...

Dates for Summer Exhibitions Fixed

DATES for Western Canada's 1945 summer exhibitions were set at the recent meeting of directors in Winnipeg. The fairs will start at Brandon the week of July 2 to 7 and continue, Calgary, July 9 to 14; Edmonton, July 16 to 21; Saskatoon, July 23 to 28, and Regina, July 30 to August 4. Satisfactory reports of the success of the exhibitions in 1944 were presented and a number of new features in prize lists and other attractions are being planned for the coming summer circuit.

A special committee will consider post-war development and expansion of "B" class fairs in the western provinces. Nate Andre, of Regina, was named president of the "A" circuit exhibitions and M. La Croix, of Prince Albert, president of the "B" class fairs association for 1945.

...

\$116,000 Paid in Bonus On Alberta Wool Clip

AGRICULTURE Minister D. B. MacMillan said on February 21, that Alberta farmers already had received \$116,000 as wool bonuses on 1944 production. Payment is made at the rate of four cents a pound and is paid by the Dominion and provincial governments on a 50-50 basis.

Mr. MacMillan said 3,817 producers have received the bonus this year, with average payments less than \$50.

Production in 1944 was estimated at 4,900,000 pounds, compared with 4,000,000 pounds in 1943.

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Losses from horn bruises and injuries and the \$1.00 a head horn tax may be avoided by dehorning cattle, especially young animals.

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Edmonton, Alberta

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O. S. LONGMAN,
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If your cows are not up in quality see what an Angus cross will do for your calves.

The best Aberdeen-Angus breeders in Alberta are contributing a large number of bulls, the kind that get real beef steers—WITHOUT HORNS—to the above-mentioned 1945 Bull Sales. At these Sales you will have a wonderful opportunity to select the type of bull you want to head your herd so that you can cash in on the ever increasing popularity of Angus cattle.

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WARBLE FLIES
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BREAKFAST CEREAL
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People Can Separate Truth From Political Propaganda

Says F. H. MARSH, President of The Bank of Toronto

In times such as the present, tension and strain appear to promote criticism of systems and institutions—often of those that have best survived the test of the years.

In Canada a socialistic movement seeks to take away from the tens of thousands of shareholders their ownership of the banks in which they have invested their money, and to vest that ownership in a state monopoly. This is not intended by its supporters as a punitive measure for wrong-doing, nor is it designed to correct any evil practices. They acknowledge that banks are well operated, that they do not make excessive profits, and that they are well regulated by Parliament. They admit that they wish to take them out of the hands of the shareholders solely for the purpose of effecting control over all business and of the entire economy of the country, something impossible under the present system. The socialists have made it clear that their intention is to use the vast pool of individuals' deposits as a national fund wherewith they may finance grandiose schemes of so-called "planned economy" and also finance, as they themselves admit, enterprises which may be non-paying but, in their opinion, socially desirable.

Those who seek to erase the shareholders' investment are vocal and vociferous. They try to mystify people by representing banking as a great monopolistic organization operating from behind a veil of mystery. I am a firm believer in the capacity of the average Canadian to distinguish simple truth and separate it from political propaganda; therefore we should tell more fully and more often the simple facts about banks.

A bank, in essence, exists simply because it renders a service that the community needs and is willing to pay for at rates that will yield a modest profit to those who have invested their money in its shares. The banks have assisted Canada through all of the vicissitudes of national growth. They have served the country in good times and bad; prospered when the people prospered and suffered in times of depression. Over the long years that the Canadian banks have been operating, their clients, depositors and borrowers alike, have had ample proof of the unquestioned worth of their obligations, of the integrity of their management and of the adequate margin of their assets over liabilities to depositors and others.

There is no mystery about banking but considerations of secrecy as to clients' business not infrequently bar us from making replies to critics that would be irrefutable. Banks set high store upon the secrecy of their clients' business. How long this policy could be preserved if every branch bank manager were an appointee and an agent of a bureaucratic government is an open question. No state monopoly of banking could possibly operate at any lower cost to the country, nor could it serve as well as the competitive system which exists under free enterprise.

LABOUR EFFICIENCY ESSENTIAL TO EXPORTS

Canada is vitally interested in the plans being investigated and formulated by the various countries to promote a sound basis for international trade including currency stabilization.

The Canadian Government is fully alive to the importance of our export trade and its relation to a high stand-

ard of post-war employment, and is already taking important measures to promote such trade.

In the past Great Britain has been by far our largest customer. It seems apparent that after the war her exports will for a time at least be at a lower level than in pre-war years. Earnings from British shipping will probably be substantially down and undoubtedly income from British investments abroad will be much reduced due to liquidation during the war. Her buying abroad will inevitably be confined or nearly so to vital necessities at least for some years.

The same will apply to the war-torn countries of Western Europe. Nevertheless, the immediate need of foodstuffs, as well as lumber and metals with which to sustain, repair and rebuild the devastated nations, is likely to tax to the limit our ability to supply during the first two or three years following the end of war in Europe.

If Canada is to meet these pressing needs and at the same time serve her own best interests, she must take a broad-minded long-term view of her export trade, and to that end be as generous as is practically possible in extending credits and otherwise assisting those nations sorely in need of our products. It is essential also that new avenues of export business be explored to a much greater extent than has been the practice in the past.

There must be fewer barriers to the exchange of goods than formerly and a more complete understanding of the problems of other countries.

It must be remembered, too, that in international trade, sales must largely be offset by purchases and we must be prepared to import more than in pre-war years.

In the final analysis, however, our ability to compete successfully in the world's markets must depend chiefly on the cost of our products, which will be largely governed by the efficiency of post-war labour and its willingness to give full value for the high wages necessary to the maintenance of a good standard of living.

TAX STRUCTURE NEEDS REVISION

The tax structure, which was built up hastily to meet the immediate needs of the war, is unfitted for the future. Its effect is to curb incentives to work and to save, and under the excess profits levy, the expansion of a business through internal growth is practically impossible. One of the first needs for postwar Canada is a complete overhaul of taxation, which must be accomplished with vision and a determination to see that honest effort is not stifled.

We regret to note numerous cases where individuals and groups, who for long years have successfully operated a particular industry, are being forced to sell or otherwise liquidate their business in order to prevent a sacrifice sale or liquidation of their holdings later for the purpose of meeting succession duties. This is not good for the economy of the country, especially at a time when the most experienced guidance is needed for the preservation and expansion of our industrial life. We sincerely hope that some workable reform will result from the detailed study which is now being made by Ottawa of the entire problem of succession duties in combination with income tax as applied to business life.

As bankers in daily contact with borrowers and depositors throughout

the country, we are impressed with the desire of most Canadians to stand on their own feet.

Much has been heard in recent years of the great fears of the individual—fears of want, of unemployment, of oppression, etc. Similar fears, too, have been and are being felt in marked degree by business, because business after all is not something apart from the individual, but in reality is the individual in the capacity of adventurer and employer. Unless the business man can be relieved of the handicap of uncertainty and feel free to develop and expand his activities without being subjected to new and unexpected restrictions, the individual worker, who is largely dependent upon business and industry to provide steady work, will necessarily continue to feel apprehensive as to his future.

POST-WAR PROBLEMS

The war has demonstrated the great productive abilities of our people when inspired by patriotic motives and their willingness to sacrifice in the cause of victory.

Victory, however, will not achieve Utopia. The aftermath will bristle with complex problems, of which the most important will be the change-over without delay to the maintenance of a high and stable level of peacetime employment. The responsibility for bringing this about attaches to both Government and business.

Business must accept its share of responsibility for the National welfare and direct its full management skill and all-out initiative to increasing its operations to the limit in order to create more employment.

Employers must be ever more conscious of the importance of workers as a group and as individuals; enlist their co-operation, acquire their confidence and enlighten them on the problems of management. This will tend to improve labour-management relations and make apparent to workers generally the fact that they have a better opportunity of attaining their desires under individual enterprise than under any form of state socialism. Nothing is of greater consequence to employees than a sense of employment security.

Canadian people, after their experience in the last depression, will not accept any lengthy period of unemployment. In this situation our Governments must be constructive, wise and firm, yet prudent in knowing where and when to stop. For the future of Canada, Canadians must continue to be free to create business and work, with Governmental power always in reserve to arbitrate and when necessary to act.

CANADA A FAVORED NATION

May I say in conclusion that while in the post-war years Canada will be confronted with serious and difficult problems, when we compare our lot with that of other countries and take into consideration the rich background of our natural resources, we cannot but be conscious of and profoundly thankful that we are one of the most favored nations of the world. We are populated by a virile and resourceful people who have a deep appreciation of the lasting values of initiative and individual enterprise. With the application of sound principles to our problems and fair dealing to all, we can face the future with confidence. (Advt.)

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9 BLOOD DONATIONS



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Answers to your Questions:—

Who is eligible?

Any man or woman in normal good health between the ages of 18 and 50 can donate blood.

Will it hurt?

No. The very slight sensation is usually not noticed at all.

Will it harm me?

No. The complete medical check-up by the qualified examining physicians at the clinics can be your assurance that the donation can do you no harm. The clear records of thousands of many-time blood donors bear this out.

How long does it take?

A very short time—about 45 minutes in the Clinic is the average time for the whole procedure, including the physical examination and registration, then making the donation and enjoying refreshments afterwards. The actual donation takes only a few minutes.

What can I eat before?

Eat nothing containing fat (including milk or cream) for at least six hours before making a donation. You may have fruit, or fruit juices, tomato juice, toast without butter, black coffee or tea without cream or milk, cereals with honey or maple syrup.

What shall I do now?

Telephone your local blood donor clinic—or even drop a note in the mail—register your name as a donor and settle a time convenient to you for an appointment. In a day or so you will receive a card through the mail confirming the time of your appointment for a medical check-up and donation.

IT TAKES nine civilian blood donations to give one injured soldier, sailor or airman an initial transfusion... a chance to live!

That's why so many blood donors are needed by the Red Cross... why there's an urgent call from every blood donor clinic across Canada for more and more civilians to do their share. There is a shortage of serum.

If you are now a blood donor, visit your clinic again as soon as possible, and next time, take one or two new donors with you to show them how simple it is.

If you have not yet answered this vital call, get in touch with your local clinic immediately. No true Canadian would deny any one of our gallant fighting men a chance to live.

Would you?

**HIS CHANCE FOR LIFE
IS IN YOUR KEEPING**



Phone your nearest Blood Donor Clinic NOW and make an appointment

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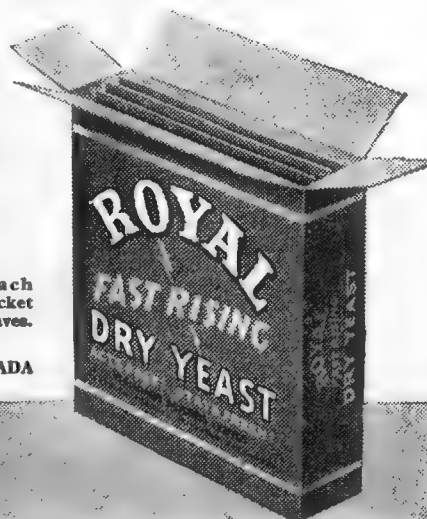
can watch the dough... and knead at the right time.

Don't worry about the "keeping" qualities of the New Fast Rising Royal, either. It stays full-strength, dependable on your pantry shelf for weeks.

Speed up your baking—try wonderful New Royal Fast Rising Dry Yeast. At your grocer's.

4 packets in each carton. Each packet makes 4 large loaves.

MADE IN CANADA



Making That Dress Larger

By SARA EMERALD NELSON

WE won't be buying more dresses than we can help this year, so it behooves us to "make do" with what we have. Let's haul out all last year's voiles, rayons and prints and see how we can alter those needing it. Chances are that they have shrunk some from washing. (It just might be that we have got bigger, but we hate to admit that.)

Lengthening them runs the gauntlet of letting out hems, inserting a band of plain colored material half way down the skirt or putting in a wider belt. These things have been done for years! But to add required width to a dress is a knottier quirk. If your frock is a princess or semi-princess style (with front and back panels), try ripping the seams apart and outlining the panels with strips of this tape. If the dress is hard to tug on but fits well once it's "put", a fresh opening will relieve that unnecessary strain and add life to the garment. The new opening can be under the arm or in centre front or back.

Zippers Do Last

Of course you have joined the save-the-zipper club! It really is grand how long one of these war-scarce patent fasteners will last. I have one that is being used in its fourth dress. It is a heavy 20-inch zipper that was originally in a man's khaki overall. When I ripped it from that garment I cut a generous strip of the khaki goods along with the fastener. That gave me a tough edge of material to stitch on.

But supposing your dress fits fine as to waist but binds too snugly around the hips? That can be remedied too. One way is to rip it from the waist and insert a plain goods panel in centre front and back. Then carry the two-tone effect further by making a new belt and collar of same plain goods. Or you can use the top of the dress for a separate blouse and from the discarded skirt cut out enough for a wide belt to be joined to blouse bottom and still have enough for one or more aprons. If it is a case of the skirt being just right, but waist too small, have you tried making a bolero or sleeveless jacket from the too-tight waist? A simple, all-white blouse can then be worn with the figured skirt and figured bolero or jacket.

After all this talk of enlarging dresses, let's say a few words about making them smaller. That, too, takes work and planning. If the dress "hangs like a sack", it will be void of all allure so waste no time in briefing it to right size. If it is merely a matter of being too wide from armpits down, then it is an easy job to turn the garment inside out and make a wider seam down the full length on both sides. If you are underweight but "hope to gain", then by all means sew the seams by hand and don't cut out the extra-wide seam allowance. If the dress is a style that

lends itself to extra fullness, then do add some extra gathers... they are the envy of stout women but the compliment of thin ones!

Enlarging Shoulders

Often times it is only the shoulders that are too broad. That fault can give the whole dress a "falling off" slant. It is quite a task to rip out sleeves and make new armholes, but if it will improve the entire set-up of course it is work worthwhile. One other way to detract from that too-wide shoulder line is to make a seam right over each shoulder. These must be on wrong side and one can manage this alteration oneself if need be. Slip on the dress inside out; lift up the top of sleeve and pin surplus width in a seam running from upper bust to the shoulder blade in back. Do each shoulder in case your shoulders are of unequal height. Baste the pinned seam into position, press and turn to right side; try on again before stitching. These shoulder seams must be of the tapering "dart" kind... wider in centre and running to a point at ends.

★ ★

Use of Mineral Oil

THE increased use of mineral oil since the war in salad dressings and also in such foods as salted nuts, potato-chips and doughnuts, may have serious nutritional consequences, says an official United States bulletin, which continues: Nutrition research at state agricultural experiment stations has shown that mineral oil robs the body of at least two of the fat-soluble vitamins necessary to health, and also of two important minerals, calcium and phosphorous.

Mineral oil has come into wider use in food preparation recently because it has not been rationed, as many food fats and oils have been, and because it has been plentiful and relatively cheap, and does not become rancid. It has practically no taste so cannot be detected in salad dressing. For use in hotels and restaurants, it is put up in large-quantity containers. Mineral oil dressing is widely sold for "reducing" diets.

How mineral oil dressing can offset the vitamin A benefits from a green salad was demonstrated some years ago by a nutrition worker who has been associated with the Massachusetts experiment station. Rats fed mineral oil with spinach had to have 10 to 12 times more greens to supply their vitamin A needs than rats fed spinach without mineral oil. Even when the oil and greens were given six hours apart, the mineral oil still interfered so much that the rats had to have eight times as much spinach with the oil as without it.

Another study at the Pennsylvania station showed that much of the vitamin A value of butter and cream is lost when mineral oil is taken.

DISHPAN PHILOSOPHER

LET'S offer them a helping hand—these war-brides coming on the land. Though after all they have been through I guess our little ills they'll view as being but of small account and very easy to surmount. For, mind you, all these girls have seen the war first-hand where they have been. Indeed they've stood in that front line that once we heard the King define, and Churchill's blood and sweat and tears they've known for full five weary years. We don't know what they think or feel, but this is sure—they've wounds to heal. And ways will open up no doubt through which the neighbors can help out.

Right now they leave their kith and kin this great new venture to begin. Their hearts are brave, their hopes are high, and folks like you and me must try to speak for Canada and do our best to make their dreams come true.

Hints on Cooking Meat

In broiling a steak, it should be turned but once. * * *

Tender cuts of meat should be cooked by dry heat—roasting, broiling, and pan-broiling. * * *

The less-tender cuts of meat should be prepared with moist heat—braising, simmering, or stewing. * * *

Basting wastes both time and energy. A better way is to put the roast in the oven fat side up. As the fat melts, it drips over and into the meat. * * *

Contrary to former ideas, searing does not keep in the meat juices. * * *

The "fell" should not be removed in cooking the leg of lamb, for it keeps its shape better and cooks more quickly if the fell is left in place. The loin

and rack are more attractive if the fell is removed. * * *

Turning the temperature on full blast in roasting wastes both meat and fuel. * * *

A true roast is never covered—a pot-roast is always covered. * * *

Beef may be served rare, medium, or well-done, according to personal preference. * * *

Pork must always be cooked to the well-done stage in order to bring out its full, rich flavour. * * *

Lamb is liked medium done and well done, and may be served hot or cold. * * *

Meat should always be cooked at a moderate temperature for best results. * * *

You will prefer it



"SALADA"
TEA

Veal is always cooked to the well-done stage. * * *

Food may be reheated and served again without any difference in flavour if it is placed in the double boiler and

steamed through, instead of bringing it into contact with direct heat. * * *

Lemon juice squeezed over the meat cakes made of hamburger, just before serving, improves the flavour.

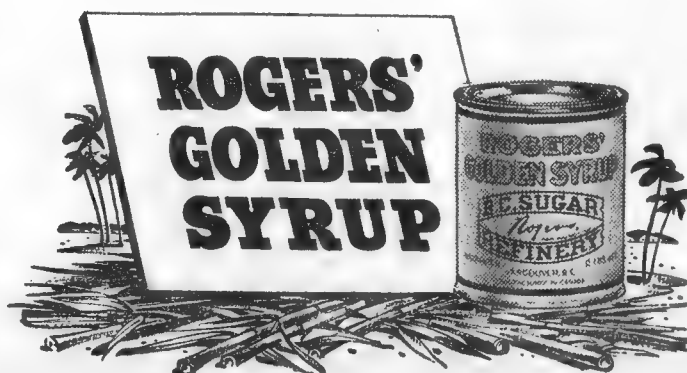


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Growing children literally "burn up" energy in the ceaseless activities of their waking hours. This must be quickly replaced if children's bodies are to be kept healthy and active . . . Rogers' Golden Syrup is an ideal form in which to supply "fuel for energy." It is easily digested and assimilated into the blood stream within a few minutes. To sweeten hot cakes, for use in baking cakes, cookies and pies, or as a spread for bread, Rogers' Golden Syrup is easy to use, economical and satisfying. Almost every grocer now has Rogers' Golden Syrup in stock. Get some today.

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. . . the 5-pound and 10-pound tins will be found more economical. Rogers' Golden Syrup will keep any length of time. Stock up with the large tins—try new ways of using this wholesome, energising food.



NABOB

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PRESERVING
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People pay attention when you put it in the Want Ad. Columns.

Guest of Honor

By MURIEL CARBERRY

"AN IDEAL place for children to grow up in—plenty of room to romp and no danger of accidents."

As Dale Hunter steered his car up the winding driveway he recalled the argument with which the Westchester realtor had clinched the sale five years before. The irony of it! Decades had passed, it seemed, since a young voice had shouted a greeting to him across that wide lawn and a plump little body had rolled merrily down the banking.

He fooled about the garage, dreading to face the prospect before him. How much longer, he wondered, would he have to endure the agony of this day?

A crash sounded in the kitchen as he entered the back vestibule.

Ellen was standing over a broken bowl. Although customarily the one dependable element in the household, now the sturdy frame trembled. "I'm that twitchy," she apologized.

"Of course you are," he replied soothingly. "But tomorrow will be different. How is she?"

"As excited as if this was going to be the jolliest party in the world."

He inspected the preparations — cocoa simmering on the stove, plates of fat sandwiches, a wooden board heaped with freshly baked cookies in animal shapes — then he sighed and went through the swinging door.

His wife was arranging candles on a huge cake that decorated the centre of the table.

"Oh, hello, I'm so glad you got here early." She brushed her lips across his cheek. "It's handsomer than ever this year, isn't it? Imagine how our darling would love that big boat."

It was a marvelous confection — blue lake, white sail, and "Happy

Birthday, Sammie," printed across the pennant.

THERE were nine places set. At each were little packages exquisitely wrapped.

"Help me tie these kites to the chairs." She handed him three. "We had balloons last time but I was afraid they'd seem too babyish now."

"Katrine—!" He started to protest, then decided to do as requested.

"Everything's perfect, isn't it?" She surveyed the table with a satisfied expression. "Come up and see the nice presents I chose."

Silently they mounted the stairs. He noted with concern the too bright eyes and flushed cheeks.

It was a room any boy would cherish. A broad window seat that overlooked woods. The book shelves were full and the desk well-equipped.

The gifts were piled on the checked spread. Katrine took hold of a pair of football pants. "Isn't it hard to believe our child is old enough for these? Last year it was the Indian outfit. Remember?"

Dale nodded. Indulgence seemed to be the only course to take.

"I had the sweetest girl in the toy intervals all morning long I've heard

his footsteps pattering about the playroom. When I started up there, they stopped."

Dale stiffened. Katrine was getting worse. Never before had she gone as far as that.

"Listen!" She gripped his arm.

He gave a little jump. It did sound like a child overhead. Evidently this annual party, where the host and the guests were phantoms and only the refreshments and the presents were real, was beginning to make him as jittery as his wife.

"He's coming to us," she murmured.

Numbly they moved into the hall.

And down the staircase hopped a little tow-headed boy decked out in an Indian costume.

"How do you do, I'm Foxy," he announced, with an odd accent, "and I'm growing hungry for my tea."

It was Dale who recovered his voice first. "How—how—did you get—in—here?"

"A great, great big boat brought me." He spread his arms wide. "I'm evacuated."

"You bad wicked boy, I told you not to take a step from my bedroom," Ellen screamed from below.

SHE lifted a terrified face to her mistress. "It was just until Sunday, ma'am, when I'd have a chance to take him to the boarding house I found for him. He's Colin Foxcroft. I kept



"How do you do, I'm Foxy," he announced, with an odd accent, "and I'm growing hungry for my tea."

department at Benton's," she went on. "Her nephew is exactly Sammie's age, so she knew just the games and toys to recommend."

He watched Katrine's face as she displayed the various purchases. Full of animation this one day in the year. Tomorrow she'd lie for hours inertly on the porch or explain again and again how she'd left Sammie alone in the tub for only a second while she answered the telephone. She hadn't dreamed that the screen was loose or that he'd try to climb out the window.

What was to be done? "Adoption—after a year or so, when the worst of her anguish has worn off," the specialist had advised.

But several years had passed since the tragedy and there was no sign of any diminution in her grief.

Suddenly she leaned over and whispered: "He does come on this day. At

house for his mother and grandfather for years, until the old gentleman died and Miss Margaret married an Englishman and went across to live in London. I couldn't let harm come to the youngster."

Ellen glanced humbly at Dale. "It's no wonder I've been as nervous as a witch all day."

"Where is his mother?" he asked.

She raised her eyes Heavenward. "The father, too. He was in the Royal Air Force."

Dale saw his wife stoop over Foxy with the same look of tenderness she had once bestowed upon her own son. "Come," she coaxed, "I know where there's lovely cake for tea."

As the two went down the stairs hand-in-hand she smiled back at him. "Isn't it lucky, dear," she said, "that we have such a nice place, for children?"

Give
in the name
of *Mercy*



● For mercy blesses him that gives. The Red Cross asks in the name of

MERCY

Mercy for the sick—the wounded—the prisoners of war.

Give to your RED CROSS.

**IMPERIAL BANK
OF CANADA**

"The Bank For You"

HOMEMAKING *By Betty Brown* and HOMEKEEPING

DEAR COUSIN JANNEY, — These wintry days, do your hands chap? If so, try my hand lotion. It is good. Procure two ounces of gum tragacanth in the powdered form, two ounces of glycerine, one-quarter ounce of plain tincture of benzoin, one pint of soft water and one teaspoon of oil of lavender or oil of bergamot. Soak the tragacanth over night in the soft water. In the morning strain, beat with an egg beater, add glycerine, benzoin and perfume. Beat well and bottle.

Winter is on its last lap; are your furs becoming soiled? If so, bran will clean them. Warm the bran and rub it into the fur. After an hour or so, brush it out and shake the fur gently.

Do your clothes stick to the clothesline these winter days? If so, wipe the line with a cloth moistened with vinegar as a prevention.

If your windows rattle, split a clothes-pin in half, paint to match your woodwork, and use as a wedge.

When hanging a picture, bind the centre part of the wire with ordinary adhesive tape. The picture will then hang straight and stay nicely in place.

To drive away ants and other insects from your pantry shelves, wash the shelves with a hot solution of alum.

What do you do with your old rubber jar rings? You cannot use them again on jars. Try sewing them along the sides and corners of your scatter rugs for anchorage.

Do you ever make your own dustless dusters? Soak a yard of cheesecloth in warm water, then ring it out as dry as you can. Saturate it with a good furniture polish and roll tightly until the oil has penetrated throughout. Let dry.

If you haven't a curtain stretcher, you can obtain good results by stretching curtains on brass curtain poles. Pull the poles through the top and bottom hems of the curtains and suspend the top pole from the clothesline by means of hooks. The bottom pole will supply sufficient weight to stretch the curtain and keep it even at the bottom. Be sure you leave the curtains in position until they are thoroughly dried.

To purify the air in the house, fill a bowl with fresh water and in it drop a few drops of household ammonia. If allowed to stand overnight, the mixture will rid the room of the odor of tobacco smoke.

A Child's Evening Prayer

*Now the sun has gone away,
And the sky is turning grey,
I must go to bed and rest
Like a robin in its nest:
So, Lord Jesus, in Thy sight
Keep me safely through the night.*

*Bless my mother every day,
And my father every way;
With a care that never ends
Bless my relatives and friends;
Safely keep us all this night
Till the morning brings the light.*

*Bless all children everywhere,
Put them in Thine angels' care;
May the biggest angels keep
Near the babies while they sleep.
For they are too young to pray,
And they cannot talk my way.*

*Bless the sheep and cows and goats.
Horses, too, with shining coats;
Bless the birds and sing all day—
Tell them not to fly away—
Bless the fishes in the sea,
And, Lord Jesus, please bless me.*

—REV. T. TIPLADY, HON. C.F.

Do you ever get ink on your fingers? If so, dampen a piece of pumice stone and rub it against the stain. The ink will be gone as by magic.

Before rubbing oil into shoes to preserve the leather, have the oil slightly warm and the shoes at room temperature. The leather will absorb the lubricant faster.

Is your fresh cake or pie hard to cut? You'll find the slicing is much easier if you dip the knife in hot water.

As you proceed to carry out the directions of your recipe, do you ever find daubs of butter, flour, etc., smirching it? Try this recipe holder: with a carpet tack, fasten one side of a spring-clasp clothes pin above your work table. It is a ready holder for the recipe to be used—keeps it clean, out of the way and always in sight. Painted to match the kitchen color scheme, the clothespin is slightly to look at.

I will close with a little tailoring hint. Sew on buttons over a darning needle, and when done pull the latter out. This will prevent the buttons being too close to the garment, and they will not pull off so easily.

Yours as ever,

—BETTY.

Canning Sugar Allowance Unchanged

HOUSEWIVES will be interested in the Wartime Prices and Trade Board announcement that the canning sugar allowance for 1945 will be the same as last year, 10 pounds per person.

Because of the world sugar situation the regular sugar ration to each coupon book holder will be reduced two pounds a year by making two sugar coupons valid on the third Thursday of each month instead of two coupons valid every four weeks as formerly. At the first of the year the sugar quota for industrial users, hotels and restaurants was cut from 80 per cent. to 70 per cent of their 1941 usage.

Purchase of canning sugar will be simplified by the use of extra preserves coupons instead of the separate canning sugar coupons (F) used last year. Under this arrangement there will be only two types of coupons for the purchase of sugar, that is, the regular sugar coupon good for one pound of sugar and the preserves coupon good for half a pound of sugar or the alternative value in preserves.

Twenty extra preserves coupons will be used to enable the housewife to purchase her canning sugar allowance of ten pounds. Two of these extra preserves coupons will become valid on March 15 to provide for early preserving, eight more will be valid on May 17 and the other ten will be good for the purchase of canning sugar on and after July 19. The coupons can be used to buy preserves instead of canning sugar if the consumer wishes. For such an alternative purchase last year the "F" canning sugar coupons had to be exchanged for preserves coupons at a local ration office.

★ ★ ★

Fit pastry into shallow individual pans. Cut out pastry rounds the same diameter as the top of the pans, and using a thimble, cut several rounds from each pastry circle. Bake tart cases and pastry circles. Fill the cases with fresh or canned fruits or berries, sweeten, and cover with the little tops.

Fish may be scaled much easier if first dipped into hot water about one minute.

IF YOU CAN'T SEND KITCHEN FATS TO WAR —PUT THEM TO WORK AT HOME!

Make your own Soap with Gillett's Lye

IT'S EASY...PATRIOTIC...THRIFTY

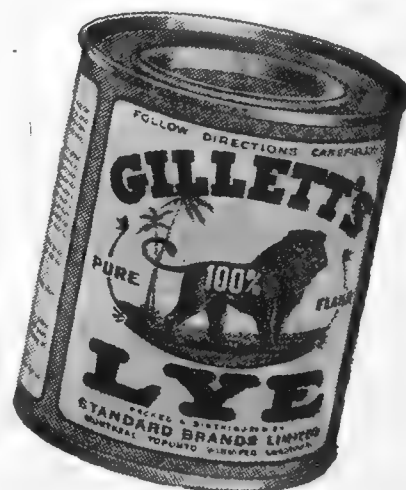
YOUR KITCHEN FATS and oils are precious wartime commodities—don't waste them! Even if there is no local fat collecting unit in your vicinity—you can join the war on waste by using fats to make soap.

Just one tin of Gillett's Lye mixed with cooking grease will give you a 2-months' supply of grand household soap—excellent for laundry and heavy cleaning—at less than 1¢ a bar! It's quick—it's easy—and it's a wonderful way to help your government avoid waste while you save time and money yourself.

Gillett's Lye is an all-around-the-house work-saver, clears clogged-up drains and traps, cuts through grease and dirt. And it completely destroys contents and odor of outhouses. The menfolks

will want to use Gillett's Lye also in barn and farm buildings—it sterilizes and deodorizes*. Get Gillett's Lye today.

**Never dissolve lye in hot water. The churning, cleansing action of the lye itself heats the water.*



MADE IN CANADA

FREE BOOKLET!

... shows you how easy it is to make soap, keep drains clear, lighten all kinds of housework and cleaning with Gillett's Lye. Tips on caring for dairy equipment, keeping outhouses and farm buildings clean and sanitary. Send to: Standard Brands Ltd., Fraser Ave. & Liberty St., Toronto, Ont., for your copy—it's FREE.



Again THE RED CROSS ASKS YOUR HELP TO HEAL A WAR-TORN WORLD

GIVE!

• Wherever the great destroyer, War, has passed, pain, suffering and sorrow follow in its wake. Young men on the battlefield or in hospitals are tormented by sickness or wounds. Little children, mothers, aged people are homeless, hungry, cold. In every theatre of war, whole cities lie in ruins. Millions are suffering the pangs of disease, starvation and dire want.

So the Red Cross will continue to reach out a helping hand. It must heal and comfort our own sick and wounded. It must send food, clothing, medical supplies to war-torn lands.

And the Canadian Red Cross will answer this urgent call. For the Canadian Red Cross is you and your friends and your neighbors, and all the good folks up and down this fair Dominion of ours. You will send help—yes, life itself—to the stricken people of other lands. You will stand staunchly behind your Red Cross, and —GIVE!

CANADIAN



RED CROSS

Your Money is Needed as Never Before

Aunt Sal Suggests:

*No matter what your task may be,
Around your home today,
There's bound to be a handy hint,
To help you in some way.*

For instance . . . old, discarded hose are fine for dusting and polishing. You can slip your hand inside them and your hand is protected while you work. For rougher jobs like cleaning the stove, handling coal, etc., make yourself large mitts. These can be cut from old overalls . . . several pairs run up on the sewing machine in a few minutes.

One of the most successful pastry brushes ever, can be made by winding a few inches of new lamp wick round the prongs of an old fork . . . then sewing or tying it fixed. Keep this dipped in a can of grease in the warming oven and there it is to grease the griddle. And there won't be any loose bristles from it like from ordinary honest-to-goodness pastry brushes either . . .

If a stray Flu germ or something similar has bitten one of the young members of your home, you may have your hands full keeping him satisfied to stay a-bed. Even new toys may not do the trick when the youngster gets restless. Home-made jig-saw puzzles are fun for small youngsters . . . fun to make and fun to put together afterwards. Paste glossy pictures on stiff cardboard then cut into simple or more intricate shapes (depending on the child's age) . . .

For that tired back in bed ever try slipping a wash board inside a pillow case and placing it behind the pillows? Or if your house actually lacks this simple tool one can set a folded card table at the head of the bed and bank pillows in front of it . . . It helps a lot!

Your nice scatter mats are apt to take a lot of hard treatment in the winter months. Why not roll the best ones up and lay away during nasty weather. Home-made ones can be substituted especially at the doors for foot-wipers. Any rough-surfaced material of wool or part wool can be turned into a mat for rough usage. Old, heavy drapes too worn for public appearance? The very thing. Remove the fringe and if enough good material in it either cut into two portions or fold to hide worn spots. Baste into desired shape and thickness. Sew with darning needle around the edges and diagonally. Keep these little mats at doors to catch first foot tracks. They can easily be washed when too grimy. . . . One careful housewife keeps a small mat made from a discarded suede jacket at the entrance of her living room so her family can give their feet a quick rub before walking over her best Wilton rug.

Macaroni is a fine pinch hitter for the one dish supper meal. Most cooks serve it only with tomatoes or cheese. But it can be combined with other vegetables so delectably. Have you ever tried it with cabbage? Now don't turn up your nose and say, "I don't like cabbage," for many folks who don't declare this way is tops and agrees with their digestion, too . . . Grate raw cabbage and place it with equal amount of uncooked macaroni. Put alternate layers in a greased casserole and fill to within an inch of top with cold milk. Salt and pepper to taste. Bake in a moderate oven about two hours, stirring occasionally and more milk may have to be added . . . Shortly before removing from oven, place strips of bacon, ham or other prepared meats on top. Now there's a dish that is good . . . and I mean good!

HEAD OFF THAT COLD!



Check colds in a hurry with Grove's Cold Tablets. They're a multiple medicine. They contain EIGHT ACTIVE INGREDIENTS carefully blended to give you an effective internal treatment that goes right to work on the trouble. These eight active agents work not just one way, but these FOUR IMPORTANT WAYS: 1. Act as a gentle laxative. 2. Combat cold germs in your system. 3. Relieve headache and grippy feeling. 4. Help tone up the system. Do as millions do. At the first hint of a cold, take Grove's Cold Tablets and get this FOUR-WAY RELIEF. Get Grove's Cold Tablets today. The genuine comes in a white box.

For extra economy
get large size

GROVE'S



COLD TABLETS

Fight Asthma Mucus Easy Way

Mr. G. C. Beazley, Truro, N.S., was asthmatic, would cough and choke for hours every night, couldn't sleep. Tried many medicines but was not helped. Mendaco quickly stopped his attacks and he now feels better than for years. To prove that Mendaco may do the same for you, we make this liberal trial offer: Get Mendaco from your druggist today! Unless it loosens and removes thick, strangling mucus, brings free breathing, restful sleep and frees you from the suffering of Asthma attacks, return the empty package and get all your money back. You have everything to gain and nothing to lose. So don't suffer another day without asking your druggist for Mendaco.

WOMEN GIRLS!

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Grand Relief With

ORANGE LILY SUPPOSITORIES

Used for 45 years. Safe, antiseptic and cleansing. A local application to relieve inflammation and congestion.

Send 10c for 10 days' trial and
descriptive literature.

MRS. LYDIA W. LADD
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Are You Overtired



Whether you overwork, worry or expend your energies in the social whirl, the result is the same — chronic fatigue or nervous exhaustion.

Your nerves and bodily organs are also tired so that digestion fails and you lie awake at nights unable to sleep.

Perhaps there is nothing that can so definitely help you as Dr. Chase's NERVE FOOD. Many people find this to be the case. Why not benefit by their experience.

Ask for the new economy size bottle of

Dr. Chase's
Nerve Food

60s.—60cts.
180s.—\$1.50



First Prize

SALVAGING DAD'S CAST-OFFS

SPRING is just around the corner—or we hope it is. Tired winter coats and scuffed overshoes will soon be left hanging in the hall closet, and little girls, in the pure joy of untrammelled freedom from these encumbrances, will be kicking up their heels like colts in the pastures. This, the time of year when the school term is wearing thin, when teachers bear down a little heavier on their charges, when the dread exams are in the offing, is the season when little girls could do with something to give their young spirits a lift, something equivalent to the mother's Easter bonnet. A new dress will do the trick, and now, before seed catalogues are studied and spring work begins, is the favorable time to set about making it.

Since new materials are so expensive, and not very desirable as to quality, and by now, Mother's discarded clothing has probably been made over, let us turn to Dad's wardrobe and see what it will yield to the cause. Very drab, are the browns, greys, blacks and navies at our disposal, and, of course, if there are small boys in the household, little Sister does not have a chance at the trousers at all. By ripping and turning a coat and trousers, suits may be made for teenagers, which will look like new. After ripping carefully, brush thoroughly before washing, or the lint will cling. A safety razor blade is useful for ripping and scraping the accumulation of lint that collects in the seams. Press while damp on the right side, if it can be turned, using a damp cloth if the material has dried out. There are patterns which are designed for these suits, as many a soldier boy will return to find his sister resplendent in his old suit made over for her. "Oh, well," she will tell him, "It would have been out of style anyway."

Dad may want his coat to wear around the farm, but the trousers may be made into delightful little jumper dresses, the note of color lifting it from the mediocre supplied by the blouse or by a touch of embroidery in wool or embroidery cotton. The blouses may be made from Dad's worn dress shirts, mother's discarded blouses, or the better parts of silk dresses unfit for wear. The material may be extended from under the arm to the waist by material such as flour sacks or the unworn parts of slips. The important thing is to have a plentiful supply, as the jumper may be worn a long time, and freshened by sponging, but the blouses will need to be changed frequently.

If there are several little girls in a family, select a pattern to fit "the one in the middle" and enlarge or decrease the size to fit. Half an inch at the side seams, half an inch allowed in the middle front and back will give a garment four inches larger. The pattern may be folded to decrease the size. Lay the pattern as carefully to the straight of the goods, as if using new material. If obliged to piece, do so, but do not turn the pattern in order to proceed without piecing. The outer seam of the trousers is on the straight of the goods, usually, and stripes are a sure guide. The flare skirt looks smartest and if it cannot be cut from the material, make a small gore front and back, turn the edges in half an inch, basting, and stitch a quarter of an inch in from the fold will make it possible. If the material is heavy, a deep seam at the bottom is not satisfactory, so the waist may be made longer than necessary, setting the skirt an inch higher than usual, or a belt may be let in later to lengthen the garment. Flare skirts should be worn quite short, never below the turn of the knee, and should be measured carefully so that they will hang evenly

WOMEN'S FORUM

around the hem. To make a tailored garment, press each seam after stitching, before proceeding to the next. Face around the neck and bottom with sateen, or material strong enough to outlast the outer cloth.

A touch of embroidery done in bright colors may be worked on the shoulder or initials may be placed on the pocket. This work may be done by marking the pattern on white tissue paper, and working through it. A tailored touch may be achieved by running two lines of one color, half an inch apart around neck and armhole, with stitches half an inch long, eighth of an inch "nip" in the goods. Use a contrasting color to "cat stitch" between. A hair ribbon to match makes a pleasing addition to the tailored or a little voile hanky made from leftovers, help to provide the change so dear to the heart of a little girl.—Hally.

★ ★

Second Prize
SPRING CLEANING

NOW that "spring is just around the corner," it will soon be time to get out the old calcimine and paint brushes. Three years ago I finally decided, come what may, I was going to have a real painter do the house for once, and for once have it done properly.

While he was here working I watched him intently taking in every detail. He was very co-operative I must admit, and seemed very pleased to answer any of my questions.

Our house is the usual run of farm homes. Bedrooms, living and dining room combined (a long, narrow affair), kitchen and bathroom. All the rooms are calcimined with the exception of the kitchen and bathroom, they are enamelled. Since watching the painter that one particular spring,

I feel I have been able to do a much better job, and here are the methods I use.

Clear the room you intend to clean of all furniture, etc. Dust the walls and then give the ceiling and walls a coat of size (this is made by simply mixing a handful of commercial glue in about two quarts of boiling water). After the size is fully dry, do your ceiling (I always do mine white), and then the walls, the shade you may desire. Here is a very important thing, do not apply the second coat until the following day. You will have a much better finish and, further, it will not scale off. Use your brush freely in every direction, do not work the same way, but crosswise and round. Two coats of calcimine will usually be sufficient. Now wash your woodwork, and, if natural finish, give a coat of clear varnish. If painted, then give a coat of good grade enamel.

If you like you may paste a paper border about one foot down from the ceiling, or a stencil is very effective. The stencil color must be in a harmonizing shade. Place your stencil on the wall; hold it firmly, and apply with a stiff brush with a sort of jabbing method. The calcimine must be very thick for the stenciling. The

brush used for this is the same size and shape as a shaving brush.

Wash your kitchen and bathroom walls with clean water. Semi gloss is the best to use for the ceiling and walls; enamel for the woodwork. Secure a good grade of brush. This will help you considerably. Use the same method in your painting as in calcimining—work any direction—then your walls will not be streaked but always work from the unfinished to the finished work with a definite stroke, ending with a lighter touch. Any holes in the walls or ceiling may be patched with plaster, or if plaster board cover with paper.

Allow the first coat to dry thoroughly, and the second one will apply much easier. Do a neat job of your wood work, it will do away with much of the amateur look. My kitchen is done in white with black window sills and black baseboards, a touch of Chinese red on the cupboard handles complete the colour scheme.

With the odd small can of paint left, here are two good hints: Paint the last step at the bottom of the cellar steps white. You will then know when you have reached the last step. And—that hammer that can never be found. Father always blamed the kids, but the kids are gone now and still the hammer can't be found. So I painted the handle with the Chinese red enamel, and it stands out among all the other contraptions like a beacon light. The hunting problem has been solved.—Southerner.

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OGILVIE

IT IS CANADA'S Best FLOUR

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Why Most Young Mothers

Use this External Way To Relieve Miseries of Children's Colds



STARTS TO WORK RIGHT AWAY... KEEPS ON WORKING FOR HOURS!

Promptly Helps Relieve Coughing Spasms, Muscular Soreness or Tightness, Congestion and Irritation in Bronchial Tubes

It's really dangerous to neglect a child's cold! Most modern mothers know this.

That's why they turn to the time-tested home remedy for relieving miseries of children's colds—Vicks VapoRub. Experience has taught them what to expect when they rub VapoRub on throat, chest and back at bedtime.

Almost at once—in 3 minutes or less—the penetrating-stimulating action of VapoRub (explained above) starts bringing relief.

For hours this grand double-action keeps on working. Invites restful, refreshing, strengthening sleep. And often by morning most of the misery of the cold is gone.

Now when anyone in your family—child or grown-up—catches a cold, do what most modern mothers do, and use dependable

VICKS
VAPORUB

Mother says: PAZO for PILES

Simple
Relieves pain and soreness

There's good reason why PAZO ointment has been used by so many millions of sufferers from simple Piles. First, PAZO ointment soothes inflamed areas—relieves pain and itching. Second, PAZO ointment lubricates hardened, dried parts—helps prevent cracking and soreness. Third, PAZO ointment tends to reduce swelling and check bleeding. Fourth, it's easy to use. PAZO ointment's perforated Pile Pipe makes application simple, thorough.

Get PAZO Today! At Drugstores!

Buy WAR SAVINGS Certificates!



What a Young Wife Should Know To Safeguard Happiness

Improved New
Feminine Hygiene Way
gives continuous action
for hours!

It is all too true that ignorance of physical facts can wreck any wife's happiness. Yet thousands of women, instead of informing themselves regarding feminine hygiene, either place their dependence on weak, ineffective "home-made" mixtures, or resort to over-strong solutions of acids which can burn, scar and injure delicate tissue.

Today such risks are needless. Well informed women everywhere rely on Zonitors—the new safe, convenient feminine hygiene way!

Zonitors are dainty, snow-white suppositories! Non-greasy. They spread a protective coating and kill germs instantly at contact. Deodorize, by actually destroying odor, instead of temporarily "masking" it. Give continuous action for hours!

Powerful, yet so safe for delicate tissues! Non-poisonous, non-burning. Zonitors help promote gentle healing. No apparatus; nothing to mix. At all druggists.

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Country Diary

THE traditional blustering month has arrived, but let the lion roar his fiercest, we know that underneath is the gentle voice of Spring.

Twilight returns in March. We welcome the lengthening of the days. After daylight is actually gone the half-light lingers on—the light of half-tones and soft, pastel shadows. The prairie loses its monotony and bareness, outlines are softened by the glow of a many-hued sky. Old barns and faded farm-homes take on a picturesque profile before the drifting evening clouds. Bare trees become graceful in their background of light and shade. The afterglow lingers, then departs, day is ended, and the darkness of night surges from the western rim of the earth.

I know the daylight is longer, the sun stronger, I know the sap is moving for I feel, rather than see, the sense of growing in the air. But is it safe to say Spring is on the way—in March? Well, who can tell what goes on under the secretive winter snow?

One night the chinook came—that brave, wonderful wind, that carried off most of the ice and snow, and the sharp morning sunlight fell on brown fallow and brown grass. They were brown in the fall before the snow covered them, but now they seem a different brown—perhaps it is the new life we sense down in the ground under the roots that makes them glow as if revived. Perhaps it is the quality of early March daylight, keen and clear as a razor's edge. Often we have a blizzard in March, month of deceptions—it has been known to happen in April too—but even so, we see glimpses of the brown earth and feel the winds of Spring. Snow cannot be convincing now, and some day we will be asking with the poet (Rossetti, I believe), "But where are the snows of yesteryear?"

This new brilliant light, lovely in itself, is unkind to our farm-home. Unlike twilight, which softens, bright daylight accentuates the shabbiness. All the stove and furnace ashes spread on the icy steps are carried inside again on over-size footwear, and the same with mud and slush. Linoleum and walls look grimy and there is a fine, greasy film on the windows, a sort of dim-out effect, and the curtains are a deep shade of tattle-tale grey. Now the storm-windows come off, for

a wonder chisel and screw-driver were easily found, and all went well and smooth. The First Lady hastens with brush and polish and rags so that we may again gaze on the hope of Spring through bright, fresh vision. Every little while a wagon moves across the horizon, drawn by a team of old plugs shaggy in winter coats, creaking along the rutted, muddy road, plodding as if they had forever to get there. It is good to see the horses in harness again after browsing on the sunny side of the haystack or standing patiently, waiting for the barn doors to open. Expect the mail-man to come along with his team, hard snow has made good car travel until this thaw. He should be bringing the glowing, new Spring catalogues, wonderful literature, and, what splendid indoor sport it is to read those optimistic paragraphs—no gloomy news reports, no urges on rationing or skimping. The authors are past masters of poetic phrasing is describing their super wares.

I have remembered another sign of the approach of Spring, authentic, as given by a chum of materialistic mind. He says when he hears sounds of pounding and hammering it is good enough for him. He knows someone is fixing the stalls in the barn, or making a new feed trough for the hogs, or patching the granary floor. He must be a little on the idealistic side too, for he says it is a good, encouraging sound when so many other parts of the world are enveloped in the noises of destruction.

Grace for Today

Let thanks from humble hearts be said
To thee that we are housed and fed;
That from our bounty, blest by Thee,
We comfort those less blest than we.

We thank Thee that there burns in
youth

The love of Liberty and Truth;
That man his faith in Thee retains
Even when tortured and in chains.

For all our gallant absent men
We pray, and for Thy peace again:
That at Thy table, peace restored,
We sit with them, and Thee, O Lord.

—JOSEPH AUSLANDER.

WOMEN in your '40's

Do these symptoms
betray your age?

Often many women between the ages of 38 and 52—are shocked to realize they are in the class commonly known as "middle-age" with its annoying symptoms which so often betray their age.

So if you suffer from hot flashes, feel weak, tired, nervous, restless, a bit blue at times—all due to the functional "middle-age" period peculiar to women—try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms.

IT HELPS NATURE: For almost a century Pinkham's Compound has been helping so many women to relieve such middle-age distress. Thousands upon thousands have reported benefits!



Many wise women take Pinkham's Compound regularly to help build up resistance against such symptoms. Pinkham's Compound helps nature and that's the kind of medicine you should try. Also an effective stomachic tonic! Follow label directions.

Lydia E. Pinkham's VEGETABLE COMPOUND



To End Annoying Coughs, Mix This Recipe, at Home

Big Saving! No Cooking! So Easy!

Here is the well known old recipe which thousands of housewives have found to be a dependable means of breaking up winter coughs. It takes but a moment to prepare and costs very little, but it does give quick relief.

From any druggist, get a 2½ ounce bottle of Pinex. Pour this into a 16 ounce bottle and fill the bottle with granulated sugar syrup, stirred a few moments until dissolved. No cooking needed—it's easy. Or you can use corn syrup or liquid honey, instead of sugar syrup. Thus you make 16 ounces of a very efficient medicine, and you get four times as much cough syrup for your money. It never spoils and children love its taste.

This home mixture soothes the irritated throat membranes with surprising ease. It loosens the phlegm and eases the soreness in a way that is really astonishing.

Pinex is a special compound of proven ingredients, in a concentrated form, a very reliable soothing agent for winter coughs. Money refunded if it does not please you in every way.



Help Kidneys If Back Aches

Do you feel older than you are or suffer from Getting Up Nights, Backache, Nervousness, Leg Pains, Rheumatic Pains, Burning, scanty or frequent passages? If so, remember that your Kidneys are vital to your health and that these symptoms may be due to Kidney and Bladder troubles—in such cases Cystex usually gives prompt and joyous relief by helping the Kidneys clean out poisonous excess acids and wastes. You have everything to gain and nothing to lose in trying Cystex. The iron clad money-back agreement assures a refund of your money on return of empty package unless fully satisfied. Don't delay. Get Cystex (Siss-tex) from your druggist today.

Cystex
Helps Flush Kidneys

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DOMINION SEED HOUSE, GEORGETOWN, ONT.

SELECTED RECIPES

THE VERSATILE POTATO

Potatoes once every day is a good rule, but because they are everyday fare care should be observed so that they do not become monotonous. Potatoes lend themselves to a wide variety of ways of serving, all of which may be made inviting, nutritious and inexpensive.

The following recipes have been tested by the Consumer Section, Marketing Service, Dominion Department of Agriculture. Every one is worth trying.

POTATO SCONES

- 1 cup flour
- 1 cup mashed potatoes
- 2 tablespoons fat
- ½ cup milk
- 4 teaspoons baking powder

Sift dry ingredients. Add potatoes. Work fat in lightly. Add milk gradually to make a soft dough. Turn on a floured board. Pat out to ½ inch thickness. Cut with a biscuit cutter. Bake in a hot oven 15 minutes at 400 degrees F.

POTATO CHEESE SOUP

- 2 cups milk
- 2 tablespoons flour
- 1 tablespoon butter
- 4 tablespoons cheese
- 1 cup mashed potatoes

Melt butter. Add flour. Cook until frothy. Add cheese and milk. Stir until thickened and smooth. Add potatoes. Re-heat.

POTATO PUFF-CHEESE MERINGUE

- 3 egg yolks
- ¼ teaspoon salt
- ¾ teaspoon pepper
- ¾ teaspoon mace
- 4½ cups hot mashed potatoes
- ¾ cup milk
- 3 tablespoons butter
- 1½ tablespoons corn syrup
- ¾ cup grated cheese
- 3 egg whites

Melt butter and add to potatoes. Beat egg yolks until very light. Add milk, seasonings and potatoes. Beat until very fluffy. Turn into a greased baking dish. Beat egg whites until stiff. Add corn syrup and ½ cup cheese. Pile on potatoes. Sprinkle with remaining cheese. Bake 15 minutes in a moderate oven or at 300 degrees F.

POTATO CRUST FOR MEAT OR VEGETABLE PIE

- 1 cup hot mashed potatoes
- ½ teaspoon salt
- 1 egg
- ½ cup flour
- 1 teaspoon baking powder
- 2 tablespoons melted fat

Combine ingredients in order given. Roll mixture to about ⅛ inch thickness on a floured board.

VEGETABLE PIE WITH POTATO

- 2 tablespoons bacon fat
- 1 small onion
- 1 cup cooked carrots
- 1 cup cooked chopped potatoes
- 1 cup cooked peas
- 1 cup cooked string beans
- Salt and pepper
- Celery salt

Melt fat. Add onion. Cook until clear. Add vegetables and 1 cup meat stock or milk and seasonings. Cover with potato crust. Bake 30 minutes at 350 degrees F.

CASSEROLE OF VEAL

- 2 lbs. shoulder of veal
- 6 small onions
- 6 small carrots
- 1 cup tomato juice
- 1½ cups boiling water
- Salt and Pepper

Wipe meat. Trim from the bones and cut into pieces. Roll pieces of meat in flour and brown in hot bacon fat. Put meat, vegetables in casserole. Add tomato juice, boiling water and season with salt and pepper. Cover, and cook in a slow oven for at least 1 hour, or until meat is tender.

BARBACUED VEAL

- 6 slices cold roast veal
- ½ cup catsup
- 1 tablespoon chopped pickle
- 1 tablespoon chopped onion
- 1 teaspoon chopped celery
- 1 teaspoon horseradish
- ½ teaspoon salt

Arrange meat in baking pan. Mix other ingredients and pour over. Heat thoroughly.

JELLIED VEAL

- 1 lb. veal
- 1 teaspoon salt
- 1 veal shank (about 2 lbs.)
- 1 small onion
- 2 quarts water

Cook all together slowly until meat is very tender. Remove from stock. Cool and cut in small cubes. Boil stock until reduced to 2 cups. Strain over meat. Turn into moulds. Chill.

VEAL SALAD

- 2 cups diced cooked veal
- 1 cup diced cooked potatoes
- 1 cup chopped celery
- 1 teaspoon chopped onion
- 1 cup salad dressing

Mix all ingredients. Chill and serve on crisp lettuce.

SPONGE CAKE

- 1 cup sifted flour
- ½ teaspoon salt
- 5 eggs
- 1 cup fruit sugar
- ½ teaspoon cream of tartar
- Flavouring

Beat egg yolks until very light. Add ½ cup sugar. Beat until sugar is dissolved. Beat egg whites until stiff. Add cream of tartar and ½ cup sugar. Beat until smooth and stiff enough to hold in peaks. Add egg yolks. Fold in flour which has been sifted 3 times. Add lemon or almond flavouring. Bake in an ungreased tube pan 1 hour at 325° F.

CHEESE COOKIES

- ½ cup butter
- ¼ cup yellow cream cheese
- ¼ teaspoon salt
- 2½ cups flour

Cream butter and cheese. Blend with flour and salt. Work well together. Roll on a floured board until as thin as possible. Cut with a small cookie cutter. Bake 8 minutes at 350° F. When cool put two together with jelly.

CELERY CHOWDER

- 2 cups chopped celery
- 1 cup diced carrots
- 1 small onion chopped
- 2 tablespoons butter
- 3 cups milk
- 2 tablespoons flour
- Salt and pepper

Cook vegetables in 2 cups water until tender. Drain and reserve water. Add butter to vegetables. When melted, sprinkle with flour. Stir until well blended. Add vegetable water and milk. Cook 5 minutes. Season.



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Save sugar and use Magic for *sure* results and economical baking. 3 out of 4 Canadian housewives prefer it.

Gold Cake

3 lbs. butter
¾ cup sugar
½ cup milk
1 tsp. flavoring extract

1½ cups flour
3 tps. Magic Baking Powder
Yolks of 3 eggs

Cream butter; add sugar slowly; add egg yolks—beaten until thick; add flavoring. Sift together flour and baking powder; add alternately with milk to first mixture. Bake in two 7" greased layer-cake pans in moderate oven at 375° F. for 20-25 minutes.

Sugarless Icing

Chocolate Frosting: 1 egg white; ½ cup Maple Syrup; ½ tsp. salt; ¼ cup Cocoa; ½ tsp. vanilla.

Put egg white, maple syrup, salt in top of double boiler over boiling water; beat with rotary beater for 9 min. Remove from heat and fold in cocoa gradually. Blend completely. Add vanilla and spread over cake.

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30-44

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by Laura Wheeler

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As appealing as the scent of lavender! Pattern 615 has a transfer of one 7¼ x 15 and two 5½ x 11-inch motifs; crochet directions.

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2-8

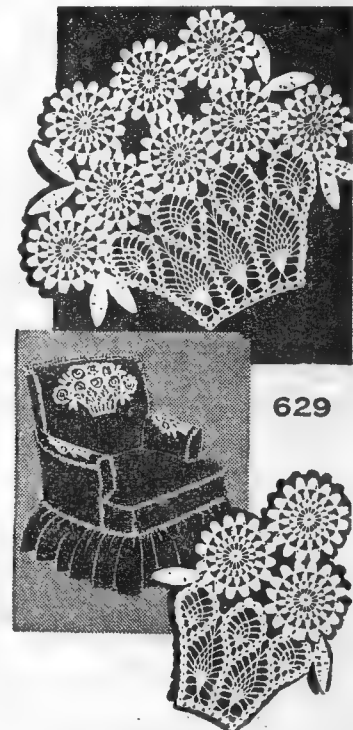
This will be her "strawberry Sunday" outfit, complete with blouse, bonnet and bag: Pattern 4918. Turn her out to sun-tan without blouse!

Pattern 4918, in sizes 2, 3, 4, 5, 6, 8. Size 6: jumper, hat and bag, takes ONLY 1½ yds. 35-in.; blouse, ¾ yd. Applique pattern given.

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by Laura Wheeler

Whether you want to cover worn spots or protect fresh upholstery, this crocheted chair-set is the answer; easy and inexpensive.

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The pain and discomfort of ulcers, sores or the itching and irritation of the various types of eczema successfully and quickly relieved when Nurse Dencker's ointments are used. You, too, can benefit by our simple, inexpensive home remedy, healing while you work. For over a quarter-century, thousands of satisfied users from coast to coast. Write today for free trial, testimonials, etc. No obligation. Nurse Dencker's Remedies, Dept. C, Joyce Sub. P.O., Vancouver, B.C.

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WE SELL AT LOWEST PRICES and carry a large stock of Drugs, Medicines, Veterinary Supplies and Vaccines, Toiletries, etc., and give fast service on all mail orders. We pay postage except on heavy, inexpensive drugs. Try our service. Send for all your drug-store needs to Consort Drug Store, Consort, Alta.

MISCELLANEOUS

MAKE \$1,400.00 a year from only 350 laying hens. Send \$2.00 cash for full information. Box No. 24, Farm and Ranch Review, Calgary.

CATCH UP TO 30 WEASELS in one night. Particulars for stamp. R. Hunter, Sunnyside, Alberta.

NURSERY STOCK

CHIEF AND SUNLIGHT Raspberries, \$2.00 per hundred. Hanson's Improved Sand Cherries, Blue Berries, Hazel Nuts, Highbush Cranberries, 10 for \$1.00. Strawberries: O.A.C. and Dakota, June bearing; Gem and Progressive, everbearing, \$1.50 per hundred. McDonald Rhubarb, 3 for \$1.00. Prepaid. T. H. Kelsey, Gunn, Alta.

HARDY RUGOSA ROSES—All colors, 40c each. Postpaid. Mrs. O. P. Adair, Pibroch, Alta. (Continued on Page 36)

NURSERY STOCK

HOUSE PLANTS! Coleus, white Calla Lily, Flowering Maple, White Star of Bethlehem, Everblooming Begonia, Heliotrope, Christmas Cherry, Wandering Jew, Geraniums: lemon-scented, single salmon, red, pale pink, rose, double white, salmon, red, apple-blossom, peach, 10c each. In paper pots (for safer shipment), 15c. 50c orders postpaid. Balmoral Gardens, Heffley Creek, B.C.

5 ACRES OF LAND
FREE
DETAILED PLANS
ON REQUEST

OROW NEWER
BETTER FRUITS AND BERRIES

Great Berryberry, Manawatu Berryberry
Everblooming Strawberry and Raspberry
Seasonal Berries, Apple, Pear, Plum,
Peach, Cherry, Quince, Apricot, Grapes
(Currents, Gooseberries, etc.)

Tobe's Treery, Box A-2, Niagara-on-the-Lake, Ontario

EARLY BEARING FRUIT TREES

Many bear fruit the first year. Catalogue free. Tobe's Treery, Niagara-on-the-Lake, Ont.

PATENTS

LELAND S. Mitchell, Registered Patent Attorney. Free Literature on Patents, 410 McArthur Block, Winnipeg.

PERSONAL

WRINKLES DISAPPEAR in two minutes or money back. Men, women, if you have age lines or enlarged pores try our amazing new cream. No massaging. Immediate results. Positively harmless. Complete satisfaction or money refunded. Price, \$2.50 per jar, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

DEAFNESS AND HEAD NOISES

Leonard Invisible Rubber Ear Drums helpful in many cases. Sold since 1907. Information and recommendations of satisfied users on request or send \$2.50 for special trial with full directions, "Common Sense Care of Hearing" booklet, etc. A. O. Leonard Company, Suite 5, 5 Boon Ave., Toronto.

BOOK of one thousand dreams and their meaning. How soon you will marry and who your future husband or wife will be. 120 pages in well bound covers. Most complete published. 50 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

AVALON for grey hair. A perfectly harmless Herbal preparation that restores Grey, streaked and faded hair to its original color. Fully guaranteed. \$1.00 postpaid. G. Grattan, Station L, Winnipeg, Man.

BEAUTIFUL hair can be yours, free from dandruff, baldness, falling hair and itching scalp. Use Grattan's Hair Restorer, fully guaranteed. Complete treatment, 75 cents, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

MEN! SEND \$1.00 for World's funniest collection of 14 joke novelties (all different), guaranteed for 1,000 laughs. Also catalogue of books and novelties. Western Distributors, Box 24NA-FR, Regina, Sask.

PERMANENT WAVE SETS—Hair waving at home without discomfort, without appointment. No electricity, no heat required. Professional-like wave that lasts six months. Used on all types of hair. Outfit contains 50 curlers, 3 ingredients and shampoo. Complete, with easy to follow instructions. Satisfaction guaranteed. Only \$1.10 postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

ASTRA fortune telling cards. Tell your own and friends' fortune. Wonderful amusement. Full deck and complete instructions. Only 50 cents postpaid. G. Grattan, Station 1, Winnipeg, Manitoba.

RUPTURED? New patented invention, lifts and holds like the human hand. Write for information. Hand-Lock Products, 146 King St. East, Kitchener, Ont.

LONESOME? Join Reliable Club—Established 1909. Book of photos and descriptions of members. Free. Sealed. Exchange Company, 3827-H Main, Kansas City, Mo.

"**ELIJAH** Coming Before Christ", wonderful book free. Megiddo Mission, Rochester 11, N.Y.

ARE YOU RUPTURED?

RELIEF, COMFORT—Positive Support without advance method. No elastic or under- straps of steel. Write Smith Manufacturing Co., Dept. 98, Preston, Ont.

MEN OF 30, 40, 50! VIM, PEP, VIGOR, subnormal? Try Ostrer Tablets. Contain tonics, stimulants, aids to normal pep. Introductory size ONLY 35c. At all druggists.

44 CARD TRICKS, 20c; 300 Riddles, 15c; Joke Book, 15c. Catalog free. Empire Novelties, Peterboro, Ontario.

PHOTO FINISHING

WESTERN FILM SERVICE offers you a complete Photo Finishing Service. Films developed and printed, 25c Reprints, 3c each. Western Film Service, Saskatoon, Sask.

SENSATIONAL Introductory Offer! 6 beautiful enlargements of any 6 negatives of same size (up to 2 1/4 x 4 1/4). Produced with new Photo Electric "Magic Eye". Send negatives with this ad. and 25c in coin today! Photo Research Labs., Dept. E, Drawer 370, Regina, Sask.

INTRODUCTORY Special! Mail this ad. with 10c in coin and 4 negatives and receive 4 beautiful panel embossed snapshots in handy pocket album. Artist, Dept. 159, Drawer 200, Regina, Sask.

ROLLS DEVELOPED AND PRINTED, 25c— or 8 reprints, 25c. Fast service; personal skilled attention to every order. Cut Rate quality would cost you more elsewhere. Cut Rate Photo Service, Dept. E, Box 236, Regina, Sask.

PEST CONTROL

"**DERPO**" Warble Powder, 65c, most economical, highest quality. At leading Drug, Department and Co-operative Stores. "**DERAT**" Rat and Mouse Killer, 50c Harmless to humans, animals, fowl. At Eaton, Simpson, Liggett, leading drug, grocery, hardware, co-operative stores, or write Derpo Products, Toronto 4.

POULTRY

MURPHY'S COCHIN BANTAMS—Some real quality Buffs for sale in singles, pairs, or trios. Have one nice white cockerel left. H. R. Murphy, Box 463, Chilliwack, B.C.

RABBITS

RAISING ANGORA WOOL provides a steady income. Big demand for wool, first grade plucked now, \$11 a lb. Clipped, \$9.50. Doroville strain Angoras are the heaviest producers obtainable. Non-matting type wool. Bred from English imported stock. Pedigreed. Send stamp for catalogue. Also red and white New Zealanders for fur and meat. Doroville Rabbitry, Parksville, B.C.

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HERE'S HOW YOU CAN

STOP SMUT and ROOT ROT

Treat your Seed Grain well in advance with—

LEYTOSAN

(MERCURIAL DUST)

There's no two ways about it, **LEYTOSAN**—the Approved British-Made Mercurial Dust—is the best and surest protection against Smut.

Tens of thousands of dollars are lost annually through Smut and Root Rot.

This season clean up your crop with **LEYTOSAN** ... costs only a few cents per bushel.



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LEYTOSAN
British Made
MERCURIAL DUST

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SONG POEMS wanted to be set to music. Send poem for immediate consideration. **FIVE STAR MUSIC MASTERS**, 545 Beacon Bldg., Boston 8, Mass.

SONGWRITERS — Send poem for immediate examination and Free Rhyming Dictionary. Richard Brothers, 18 Woods Building, Chicago.

STAMMERING

STAMMERING CORRECTED. For free, helpful booklet write William Dennison, 543-R, Jarvis St., Toronto.

WANTED

ONE or TWO CARS of baled alfalfa green hay. Write Sherman Edwards, Box 459, Lang, Sask.

WASHER REPAIRS

MAYTAG Washer and Engine Repairs carefully done by trained mechanics. A full stock of parts on hand for Maytag repairs, also wringer rolls for most makes. The Maytag Co. Ltd., Calgary and Regina.

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BABY CHICKS

FOR IMMEDIATE DELIVERY

Leghorns, Hampshires and Rhode Island Reds can be booked for early March or April delivery. From either B.C. or Alberta Stock. Large bodied, R.O.P. sired. Leghorn Pullets available from two-year-old hens. 96% T.G. Sharpe accuracy guaranteed.



COCKEREL CHICKS

Several hundred Leghorns and Hampshire Cockerels available for early March or April delivery. Cash in on profits from early broilers. 1945 promises a good market for poultry meats.

Per 100—	Stand. Spec. Sel.
W. Leghorns	14.00 16.00
W. Leg. Pullets	29.00 31.00
Hamps., Reds, B.	
Rks.	16.00 18.00
Hamps., Reds, B.	
Rks. Pullets	27.00 29.00
Leghorn Ckls.	33.00
Heavy Ckls.	39.00

Hear our new radio program Tuesday, 9:30 p.m., over CFCN, Calgary, 1010 kc.

ALBERTA-ELECTRIC HATCHERIES

2417C - 1A Street S.E., CALGARY, ALTA.

Hambley B.C. Hampshires



With over 20,000 Government banded New Hampshire Breeders waiting, we can supply excellent quality and service from our Abbotsford Hatchery.

Hundreds of satisfied customers again re-ordering. Make sure of your Hambley Hampshires. Send deposit or payment in full direct to Abbotsford or to our nearest hatchery.

F.O.B. ABBOTSFORD, B.C.

HAMBLEY QUALITY

100	50	25	100	50	25
14.00	7.50	3.75	W. Leg.	16.00	8.50
29.00	15.00	7.50	W.L. Pul.	31.00	16.00
3.00	2.00	1.00	W.L. Ckls.	4.00	2.50
16.00	8.50	4.25	N. Hamps.	18.00	9.50
27.00	14.00	7.00	N.H. Pul.	29.00	15.00
10.00	5.50	2.75	N.H. Ckl.	11.00	6.00

Guar. 100% Live Arr. Pullets 96% acc. Ask for Hambley's 1945 Chick Catalogue with Calendar. It's FREE.

HAMBLEY (Electric) HATCHERIES
Abbotsford, B.C., Calgary, Edmonton, Alta.

PRINGLE HIGH QUALITY CHICKS



Successful poultrymen know that the early chicks pay the biggest profits. This season, with the mild temperatures and an early Spring indicated, early March chicks should prove of greater advantage than ever. The three modern Pringle hatcheries with a total setting capacity of 543,000 eggs, are prepared to serve you more completely and efficiently than ever before, and to assist you to increase your profits.

YOU START RIGHT WHEN YOU ORDER PRINGLE EARLY MARCH CHICKS — Today!

ALBERTA PRICES January to May 17
Per 100— Quality A. Select A.
W. Leghorns 14.00 16.00
W. Leg. Pullets 29.00 31.00
Hamps., Reds, B. Rocks 16.00 18.00
Hamp., Red, B. Rock, Pullets 27.00 29.00

CHILLIWACK, B.C. PRICES—
January to May 14th
Per 100— B.C. Quality A. Select A.
W. Leghorns 14.00 16.00
W. Leg. Pullets 29.00 32.00
Hamps., Reds, B. Rocks 15.00 17.00
Hamp., Red., B. Rock Pullets 28.00 32.00

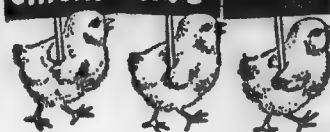
W. Leg. Cockerels \$3.00 per 100
Heavy Breed Cockerels 9.00 per 100
We invite our customers and friends to visit the new, modern Pringle Hatchery when in Edmonton.
Write for the New 1945 "BUILD FOR PEACE" calendar Catalogue.

Pringle Electric Hatcheries

Calgary — Edmonton — Chilliwack, B.C.

DON'T SPREAD your chick dollars too thin. Quality chicks mean much to your success as a poultryman. Good chicks from well-bred, healthy stock have a better chance to live—and grow—and lay—and they are more responsive to good management and care. Don't therefore spread your chick dollars too thin. Buy quality instead of quantity in the chicks you start. Send for catalogue and early discount sheet for March delivery. Top Notch Chickeries, Guelph, Ont.

THE WHICH RESULTS



MORE THAN EVER

BEFORE is it necessary to raise GOOD BIRDS. Twenty-five years of effort and experience is behind the production of our famous chicks. Help to ENSURE your SUCCESS by ordering your chicks early from one of our Hatcheries.

Prices, per 100.	Unsexed	Pullets
White Leghorns	\$14.00	\$29.00
Rocks, Reds, New Hamp.	15.00	28.00
Light Sussex	17.00	30.00
Leghorn Cockerels, per 100		\$3.00
Heavy Cockerels, per 100		\$8.00

SUPER CHICKS, FROM FLOCKS HEADED BY R.O.P. MALES

Leghorns	\$16.00	\$32.00
Rocks, Reds, New Hamps.	17.00	32.00
Leghorn Cockerels, per 100		\$4.00
Heavy Cockerels per 100		\$10.00

96% Sexing accuracy guaranteed.

Order NOW—avoid disappointment and remember "IT'S RESULTS THAT COUNT."

Rump & Sendall LTD.

Box R, LANGLEY PRAIRIE, B.C.
Box R, (Branch Hatchery) Vernon, B.C.



SUCCESS CAN BE YOURS

If You Start Right With Stewart Chicks

They LIVE — They GROW
They LAY — They PAY

STEWART'S Special Quality chicks are from selected flocks, headed by pedigreed cockerels from trap-nested hens with records of 200 eggs or over. All Stewart Chicks are from government-approved, blood-tested flocks. 100% live arrivals. Pullets 96% accuracy guaranteed.

	Stewart Quality.			Special Quality.		
	100	50	25	100	50	25
W. Leg. Unsex.	14.00	7.50	3.75	16.00	8.50	4.25
W.L. Pull.	29.00	15.00	7.50	31.00	16.00	8.00
B. Rocks	16.00	8.50	4.25	18.00	9.50	4.75
B.K. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
N. Hamps.	16.00	8.50	4.25	18.00	9.50	4.75
N. H. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
R.I. Reds	16.00	8.50	4.25	18.00	9.50	4.75
R.I.R. Pull.	27.00	14.00	7.00	29.00	15.00	7.50
White Leghorn Cockerels				\$3.00	per 1	
B.R., R.I.R., N.H. Cockerels				\$9.00	per 1	

FOR IMMEDIATE DELIVERY: 2,000 W. Leg. unsexed; 1,500 W. Leg. Pullets; 2,500 B. Rocks unsexed; 1,500 R.I. Reds unsexed; 3,000 N. Hamps. unsexed; 400 W. Wyand. unsexed; 1,200 W. Leg. Cockerels; 1,500 Hyv. Bred Cockerels.

February and March hatched cockerels will develop in time to get the high prices of early broiler markets and the pullets will be laying heavily in September and October at the peak of the egg prices.
Tune in our Old-Time Programme every Thursday, 9:30 p.m., M.D.T., over CFCN, Calgary, 1010 kc.

WRITE FOR CATALOGUE.

STEWART ELECTRIC HATCHERIES

602B-12th Avenue W., CALGARY, ALTA.

ATTENTION POULTRYMEN — Efficient management in raising chicks is essential. Our booklet, "Raising Chicks for Profit", will help you to raise a healthy flock and avoid losses. It contains valuable information on raising from day old to laying stage, feeding formulas, etc., 25c per copy; free to customers. Rump & Sendall Ltd., Box R, Langley Prairie, B.C.

CHICKS FROM APPROVED FLOCKS—Book your 1945 requirements at Gair Hatchery, Westlawn, Alberta.

THE OLD METHOD of egg production was largely a gamble. Egg prices went so high in October and November that people quit eating eggs. Then in the winter and early Spring months, when production came there was no demand and the bottom fell out of the market. The way to avoid this is to secure early chicks. The present price schedule assures remunerative returns the year round. Not a high price for a few months and then low prices for several months. Britain requests eggs in the Fall and Winter, and it is early-hatched chickens that will supply these eggs. Twiddle Hatcheries can supply chicks five days a week. Send for early delivery price list for March delivery. You will not only make extra money with early-hatched chicks, but you will save money by taking early delivery. Twiddle Chick Hatcheries, Fergus, Ontario. (If you haven't received our new 1945 catalogue send for your copy today.)

GLASS for Automobiles, All Models
Prompt Shipment

THE BENNETT GLASS CO. LTD.
M 1778 228 - 7th Ave. East, Calgary



HEADS HOLSTEIN BREEDERS

O. L. Goodhue, Vaudreuil, Quebec, who was chosen president for 1945 of the Holstein-Friesian Association of Canada, at the annual meeting in Toronto. Mr. Goodhue is manager of the celebrated Raymondale herd at Vaudreuil. Reports submitted by officers showed that membership now exceeds 9,000, the largest figure in the association's history.

FIGHT WARBLE FLY

A DETERMINED effort will be made this year to clean up the warble fly situation in Southern Alberta. The farmer who has a few head of cattle may treat them by hand for a nominal cost of two or three cents per head. Powder for hand treatment may be secured from a local dealer and instructions will be found on the package. Those stockmen who have too many cattle to treat by hand should get in touch with their district agriculturalist. Some fifty spray machines will be operating in Southern Alberta and treatment will cost about eight cents per head per treatment.

PHARMACEUTICAL CORPS

Action is being taken by the Pharmaceutical Association to press for the formation of a Pharmaceutical Corps in the Canadian Army, organized on the same basis as the Medical, Dental and Nursing Corps. It is charged that on some occasions the dispensing of drugs is handled by unqualified men, and that this important job should be done only by trained pharmacists.

Master Breeder . . .

(Continued from Page 2)

lbs. of milk, more than any other privately-owned herd in Canada, and the Canadian champion and the runner-up for lifetime production in the 305-day division are both Hays-bred.

Hays animals have done well at leading American and Canadian shows, and have won a number of All-American and All-Canadian designations.

During the past year, three records exceeding 1,000 lbs. of butterfat were completed by members of the herd. Superior Production certificates for which were also presented to Harry Hays at the Holstein annual meeting. Hays' Faforit 2nd made 1,150 lbs. of butterfat, Hays' Dorothy DeKol, 1,052 lbs., and Hays' Rag Apple DeKol, 1,042 lbs.

At the present time, Alcartra Gerben, another member of the herd, is on the last lap of what is expected to be the largest butterfat record ever made by a cow of any breed anywhere in the world.

Olds School Offers Plants and Seeds

THE Olds School of Agriculture again has available for distribution some excellent plants and seeds of garden and field crops, reports James Murray, Principal.

Anyone interested may become a member of the O.S.A. Experimental Union by paying an annual fee of \$1.00, and each member may make four selections from the following list. Members of the O.S.A. Alumni Association may make selections without fee, but must pay express charges.

1. Potatoes—Vicks (med. early).
2. Potatoes—Bovee (med. early).
3. Potatoes—Katahdin (late).
4. Rhubarb—2 roots.
5. Garden Pease—3 varieties.
3. Shell beans, Early—2 varieties.
7. Pod beans—2 varieties.
8. Broad beans—1 variety.
9. Spirea—1 each of 2 varieties.
10. Two pairs named Gladioli Corms.
11. Dahlias—2 varieties.
12. 12 Raspberry plants—choice of Herbert, Latham, Chief.

The supply of some of this material is limited so some substitution may be necessary, states Mr. Murray, and orders will not be accepted after April 5.

Membership fee of \$1.00, which includes shipping charges, must accompany selections. When a parcel is called for, the fee is 65c. Report forms must be filled in and returned to the O.S.A., Olds, at the end of the growing season.

Dr. Larmour to Head Saskatoon Laboratory

DR. R. K. Larmour, Professor of Chemistry, University of Saskatchewan, has been appointed Director of the National Research Council's Prairie Regional Laboratory which is to be built in Saskatoon.

Dr. Larmour is a veteran of the First Great War. Following his return from overseas, he graduated from the University of Saskatchewan and took post-graduate work in an American university. He joined the staff of the University of Saskatchewan in 1927, and has remained there ever since except for a short period when he occupied the Chair of Milling Industry at a mid-western American university. He is a qualified scientist of high standing in the grain research field and is the author of over 50 technical and scientific articles.

The Prairie Regional Laboratory will be concerned primarily with investigations into the utilization of agricultural crops. It will be provided with facilities to undertake all phases of laboratory and plant investigations in this field. When completed, the West will have one of the most modern scientific laboratories on the continent.

Fidelity Insurance Has Successful Year

THE 31st annual report of the Fidelity Assurance Company reveals that in 1944 the company experienced a most successful year. New business, including revivals, amounted to \$1,915,517, bringing the total business in force to \$11,192,095. Total income of the company for the year was \$478,695. Disbursements to policyholders and beneficiaries amounted to \$134,735, over half the amount being disbursed to living policyholders. Assets of the company now amount to \$2,410,245, and after maintaining actual reserves of \$1,828,331 and making provision for other liabilities, other funds which afford additional protection for policyholders and beneficiaries amount to \$451,735.

FACTS AND FIGURES

FROM 31st ANNUAL REPORT

*Annual Report Mailed on Request.

New issued including revivals	\$ 1,915,517.00
Total business in force	11,192,095.00
Total Assets	2,410,245.94
Insurance and Annuity Reserves . . .	1,828,331.00
Payments to Policyholders and Beneficiaries (over 56% to living Policyholders)	134,735.75
Reserve and other surplus funds . . .	312,226.70

- Over 60% of assets have been invested in Dominion of Canada Bonds in support of Canada's War Effort.

- All types of life insurance and annuity contracts issued at attractive rates. Full particulars without obligation given on request.

REPRESENTATIVES WANTED

FIDELITY LIFE Assurance Co.

Head Office

REGINA, Canada

SUBSCRIBE TO THE RED CROSS CAMPAIGN

LOANS to FARMERS

FOR SEASONAL PURPOSES.



When you require ready cash for the purchase of seed, fertilizer, livestock, farm equipment and other legitimate purposes call at your local branch of The Royal Bank of Canada. The Manager will be glad to discuss a loan with you and explain the simple terms under which it can be made and the convenient arrangements available for repayment.

Lending money is one of the principal functions of this bank. We are always pleased to advance cash on loan to any responsible individual able to repay out of income.

THE ROYAL BANK OF CANADA

RAT-NIP

KILLS or MONEY BACK

Nothing so consistently successful in destroying rats quickly and easily has ever been known. Rats are attracted to it . . . die in droves! Try this great protection against food and property losses. Nearly 30 years of success. At drug, hardware and general stores.

Liquid Veneer Corp., Ft. Erie, North, Ont.



35c a tube

Buy War Savings Stamps!

MORE SUMMERFALLOW

DURING wartime, summerfallow acreage in the Prairie Provinces has been considerably higher than the pre-war average of around 16 million acres. In 1941, summerfallow reached a high point of 23 million acres. For 1945 it has been recommended that summerfallow be held at about 20 million acres, as one of the best means of ensuring above-average crop yields later on.

New OTTAWA WOOD SAW

For Tractors
Makes wood sawing fast and easy. Cuts enough wood to pay for itself quickly. Easily moved while attached. Big heavy blade. FREE details. OTTAWA MFG. CO. W372 Oak Ave., Ottawa, Kansas, U.S.A.

LOW PRICE

Alberta Dairymen

(Continued from Page 13)

A number of other instructive addresses were given and important sessions of buttermakers' and cheese-makers' sections were held at which technical information of interest was presented.

Donald Eggenberger and Jim Graham, of the Bow Slope junior dairy calf club, won the challenge cup for dairy cattle judging. Donald Eggenberger had high individual score, with Reid Cameron, of Millet, second, and Patsy Gibbs, of the Didsbury club, third.

Life memberships in the Alberta Dairymen's Association were presented to J. B. Ritchie, the incoming president, and C. E. Christensen, formerly of Edmonton, now living in Vancouver.

★ ★ ★

Wit of the World

The visitor going round the penal settlement came upon a convict making sacks.

"Good afternoon", said the visitor, "Sewing?"

"No", was the reply. "Reaping".

Small Boy (in chemist's shop): "Please, I want some powder for my sister."

Chemist (jokingly): "Something that goes off with a bang?"

Small Boy: "No, something that goes on with a puff."

Mrs. Murphy (concluding an argument): "Every time I look at you, Mrs. Patrick, I feel I'm doing the government out of the entertainment tax."

An enterprising baker, who paid his help higher wages than he ever paid before, concluded he wasn't getting his money's worth, so he put up the following sign in the shop: "Bread is the staff of life, but that is no reason why the life of our staff should be one continual loaf."

"I have discovered," writes a doctor, "that the 'flu is both affirmative and negative. Sometimes the Eyes have it and sometimes the Noes."

So far as humans are concerned, the wolf is a coward, though he can, as many an Algoma farmer can testify, do a terrific lot of damage among a flock of sheep.

The Star stands by the dictum of Old Sam Martin, which it has so often quoted:

"Any man that says he's been et by a wolf is a liar."—Sault Ste Marie Star.

A blushing young woman handed the telegraph clerk a telegram containing only a name, address and one word—"Yes."

Wishing to be helpful, the clerk said: "You know, you can send five more words for the same price."

"I know I can," replied the young woman, "but don't you think I'd look too eager if I said it six times?"

"Did my medicine do any good?"
"A wonderful remedy, doctor. I took three spoonfuls and my cough went. I rubbed three spoonfuls into my knee for rheumatism, and the rest we used to clean the silver."

Wife: "Oh, darling, I'm sure Tommy is going to be an auctioneer when he grows up."

Husband: "What makes you so sure?"

Wife: "Well, he's just put your watch under the hammer."

PILES

Try This Successful Combination Internal and External Treatment

No matter where you live—no matter what your age or occupation—if you are troubled with piles, we want you to try the Page Internal Tablet Combination Treatment. This method not only helps stop suffering promptly, but grateful letters from people who have used it testify that it has given quick relief.



FRANK BARGE

"I cannot say too much in praise of your treatment. It is over four years since I have used the treatment and have never had a recurrence. I don't think anyone could have suffered more than I did before taking the medicine."—Frank Barge, 1802 Columbia Ave., Trail, B. C.

We especially want to send it to those discouraged sufferers who believe their cases to be hopeless. Even the most severely aggravated cases and cases of long standing frequently respond to this treatment. Used successfully for 50 years.

Don't neglect a single day. Write now. Send no money. Simply mail the coupon below today and a free trial will be sent promptly in plain wrapper.

FREE TRIAL COUPON.
To prove all we claim, we will send you promptly in plain package, a generous supply of this treatment. Mail coupon TODAY

E. R. PAGE CO., Dept. 25 x 6 Toronto, Ont.

Name _____

Address _____

City _____ Prov. _____

ITCH CHECKED in a Jiffy - or Money Back

For quick relief from itching caused by eczema, athlete's foot, scabies, pimples and other itching conditions, use pure, cooling, medicated, liquid D. D. D. PRESCRIPTION. Greaseless and stainless. Soothes, comforts and quickly calms intense itching. Don't suffer. Ask your druggist today for D. D. D. PRESCRIPTION.

Can't Eat—Can't Sleep!

When functional constipation hangs on and makes you feel miserable, nervous and out of sorts and you suffer from its symptoms—headaches, bad breath, upset stomach, indigestion, loss of sleep, lack of appetite, and your stomach feels crowded because of gas and bloating—get Forni's time-tested Alpenkräuter. More than a laxative, it is also a stomachic tonic medicine compounded of 18 of Nature's own medicinal roots, herbs and botanicals. Alpenkräuter puts sluggish bowels to work and aids them to gently and smoothly expel clogging waste; helps drive out constipation's gas, gives the stomach that splendid feeling of warmth. If you again want to know the joy of happy relief from constipation's miseries and comfort your stomach at the same time, get Alpenkräuter today and take exactly as directed on label.



If you cannot buy it in your neighborhood, send for our "get acquainted" offer on Alpenkräuter and receive—

FREE 60c Value—Trial Bottles of

FORNI'S HEIL-OEL LINIMENT—antiseptic—brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains. FORNI'S MAGOLO—alkaline—relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

MAIL COUPON NOW

☐ Send this coupon with \$1.00 and your name and address. We will mail you postpaid our "get acquainted" offer: 11 oz. Alpenkräuter and the free 60c value—one trial bottle each of Heil-Oel and Magolo.

☐ C.O.D. (charges added).

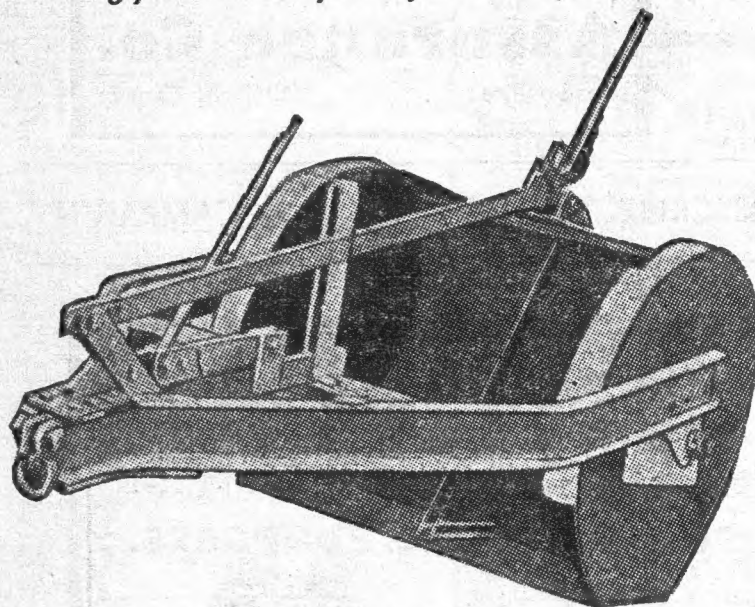
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SUCCESS ROTARY SOIL MOVER

Strongly Built - Easy to Operate - Speeds Work



Cut shows size 36-in. dia. 42-in. wide.
Also made 30-in. dia. 36-in. wide.

Built from heavy steel plate and structural steel sections. Should last for years.

BUY NOW TO GET EARLY DELIVERY

Heavy skids on bottom also heavy carrying shoes. Light draft.

SUCCESS SOIL MOVERS ARE BUILT FOR USE WITH FARM TRACTORS

SUCCESS SOIL MOVERS ARE COMPLETELY AUTOMATIC—The Tractor operator does all. Cutting edge or share is of hard, tough, special steel easily removable for sharpening or replacement.

Move soil or earth quickly and cheaply. Build your dam or dug-out at little cost and in little time—then rent to your neighbors to build their dams and dug-outs.

Tested by the Dominion Government Testing Farm at Swift Current—consult them as to the best size for your purpose.

HUNDREDS NOW IN USE, GIVING THE UTMOST IN SATISFACTION

Priced so low that every farmer may possess this valuable piece of equipment.

We also manufacture Success Automatic Land Levellers and Ditchers for irrigation farm use.

WRITE THE COMPANY FOR A PRICE LIST OR CALL WHEN IN MEDICINE HAT

Sometimes used in winter for cleaning sheds and corrals, also used for land levelling and road repair.

BUY NOW TO GET EARLY DELIVERY

Success Automatic Land Leveller

COMPANY, LIMITED
MEDICINE HAT - ALBERTA

Test Good Seed Germination Early

GROWERS who have good seed grain that may be eligible for Registered or Certified grades are urged by the Alberta Field Crops Branch to have it cleaned and ready for sale without delay. If left too long there may be difficulty in having inspection made in time, and due to apparent scarcity at the time required the lack of inspected seed may result in an increase in the use of inferior grades with a consequent lowering of quality in the 1945 crops.

Before seed can be given inspection and sealing by the Plant Products Division, a germination test establishing the viability of the seed must have been made by that Division. Growers are required to send at least a one-pound sample of clean seed to the Plant Products Division, Immigration Building, Calgary, for a germination test. The sample must be representative of the lot from which it was taken, and a fee of 50c must accompany the sample.

Growers should forward their samples early so that when ready for inspection services they will not have to wait for evidence of satisfactory germination.

• • •

USEFUL NEW BULLETIN

A VALUABLE bulletin recently published by the University of Alberta is *Care and Feeding of Dairy Cattle*, written by Dr. J. E. Bowstead. It contains practical advice on the selection and raising of calves, the feeding of cows during winter and summer, as well as a discussion on breeding problems. Fifteen pages also give advice on the cause and treatment of the common diseases of dairy cattle by Dr. P. R. Talbot, Provincial Veterinarian. Copies may be secured free of charge by writing to the Department of Extension, University of Alberta.

Sun Life of Canada Reports Record Year

TOTAL payments to policyholders and beneficiaries of more than eighty million dollars were made by the Sun Life of Canada during the year 1944. The company also established a record by the largest increase of its assets in any one of the 74 years of its existence, the total now standing at one billion, one hundred and seventy-nine million dollars. The earnings during the year were very satisfactory and a revision of policyholders' dividends is being made, thereby reducing the cost of insurance on those plans where protection is paramount. In the five-year war period the assets increased by \$260 millions.

In his review of one of the strongest annual statements the company has yet released, Arthur B. Wood, President and Managing Director, in the annual address to policyholders, remarked that notwithstanding the many unusual problems created by the war, the company's progress is unabated and its services are extending to an ever-increasing proportion of the population. It is a significant fact, added Mr. Wood, that policyholders of life insurance companies in Canada and the United States, with their beneficiaries, constitute more than half the entire population of the two countries, and their numbers are increasing year by year.

• • •

MILK FOR OVERSEAS

BECAUSE manufactured milk products can load any given ship space with more digestible human nutrients than can any other natural or synthetic food yet produced, it is safe to predict that the dairy industry will supply a major part of the food shipment to European countries.

OAT HULLER



Feed Hulled Oats

Make your own pig starter and poultry feeds.

Avoid weanling deaths and stunted pigs.

Ask your Veterinarian.

Write for literature and sample.

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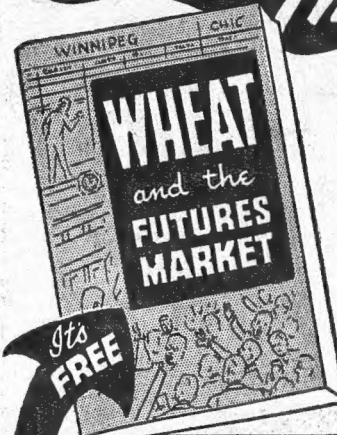
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You Should Read This BOOK!



The grain business is your business—since it exerts such a great influence on economic conditions, affecting your welfare and prosperity.

You already know the mechanics of grain production, but that is only half the story . . . The marketing of the grain is of equal or greater moment—and a perusal of this book will round out your knowledge and understanding of this vitally important aspect of your business.

A POSTCARD WILL BRING IT —
OR USE THIS COUPON

Winnipeg Grain Exchange, Winnipeg, Man.

Please send booklet "Wheat and the Futures Market" FREE to

Name _____

Address _____

There's Still A Big Job to Do

Come on! Let's Do It!

When the war will be over is anybody's guess; but guessing won't bring it to an end. Only action will do that. So let's all pile in and finish it. Then Victory, and the boys coming home, will really mean something to you. In the meantime, as a C.W.A.C., you'll have experiences that will high-mark your life — memories that will glamorize the years — and you'll get training which will make your post-war career far more successful.



DISTRICT RECRUITING OFFICER,
Traders Building, Calgary, Alta.

Please send me absolutely free a 32-page illustrated copy of "C.W.A.C. Digest".

Name _____

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SEND FOR THIS BOOKLET

FILL OUT AND MAIL TODAY!

F.R.R.-22



these 700

ON THE NIGHT of March 31, 1942, Ford of Canada ceased making automobiles for civilians. There was a risk that many Ford dealers thus deprived of their revenue from new car sales, would seek some other means of livelihood. The *character* of the individual

Ford dealers prevented this from happening. Thousands of Ford owners have continued to receive repair service and civilian transportation has been maintained.

Ford dealers are men of resolution. Faced with this perplexing problem each one exercised his own private judgment, drew on his experience as a member of the Ford organization and charted his course for the future.

Events have sorely tried these men. But, once again, it has been proven that the strong are not beaten by difficulties—that for every one able to stand prosperity, there are a hundred who will stand adversity. So do character and resolution make organizations that endure.

On March 31, 1942, Ford of Canada had seven hundred dealers. There are *still* seven hundred.

**GIVE
TO THE
RED CROSS**



FORD MOTOR COMPANY OF CANADA, LIMITED



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Here's how our boys want you to address their Mail! . . .

**C.R. BLANK
AURORA, ONTARIO.**

**B 12345
SGT. BLANK, A.B.,
1ST. CANADIAN ANTI-TANK REGIMENT,
ROYAL CANADIAN ARTILLERY
CANADIAN ARMY
OVERSEAS.**

**LEGIBLE
LIKE THIS**

**NOT
LIKE THIS**

Handwritten address: SGT. BLANK, A.B., 1ST. CANADIAN ANTI-TANK REGIMENT, ROYAL CANADIAN ARTILLERY, CANADIAN ARMY, OVERSEAS.

Write clearly or print in block letters, giving complete details. Write your own name and address on upper left hand corner.

Don't take a chance on poor "handwriting". You may save a minute—at the cost of many weeks' delay.

THIS IS A WAR of rapid movement. Overseas mail must be handled many times before it reaches your man. If you write a wrong or incomplete address, it may cause weeks of delay in spite of all your Post Office or Canadian Postal Corps can do to speed delivery. You can save much heart-ache by following these simple rules:

1. Write clearly or print the full address in block letters.
2. Make sure the address is **COMPLETE**, many delays are caused in Army mail by senders omitting name and number of unit.
3. If you are writing to a wounded man in hospital Overseas, write the usual **COMPLETE** address, then **ADD** the words "**IN HOSPITAL**" in large letters on the envelope.

YOUR PARCEL MUST FACE THE RIGORS OF WAR

Your parcel must stand the weight of thousands more pressing down on it in the hold of a lurching ship at sea. It must stand rough transport, often under fire, over shell-torn roads. Pack your parcels in corrugated containers, wrap in several layers of heavy paper and tie with strong twine.

DON'TS for SENDERS: Don't pack matches or lighter fluids. Don't send foods that can spoil. Don't send liquids in cartons or glass. Don't forget to affix completed customs declaration. Don't use "shoe boxes", they crush easily.

CANADA POST OFFICE

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HON. W. P. MULOCK, K.C., M.P., POSTMASTER GENERAL

1930s which makes her a world champion on two counts. Stabled at Hays' Dairy, south of Calgary, is Doncrest Peg Top Burke, a purebred Holstein that in 365 days has produced 31,935 pounds of milk containing 1,108 pounds of butterfat, an average test of 3.47 per cent.

These figures, just released by Record of Performance Department at Ottawa, give her the greatest record for either milk or fat ever made on twice-a-day milking by any cow of any breed.

"Peg's" record was completed under the supervision of Mrs. Edythe L. Brown, Stouffville, Ontario, who, assisted by her teenage son, Don, took over the management of their Lisnacillin farm following the death last spring of her husband, Captain A. Roy Brown, famed flier of the last war who shot down the German ace, Baron Von Richtofen. "Peg" was milked throughout the test by herdsman, Sam Adams.

The new champion produced very evenly throughout her lactation. Her best month was August, her eighth on test, when she averaged 113 lbs. daily with a top of 130 lbs. On her last day she gave 55 lbs.

"Peg" is a big cow weighing around 1,900 lbs. at the end of her lactation. Probably her outstanding physical characteristic is her wonderful udder. Not overly large, as is so frequently the case with big producers, it has wonderful quality. Said A. V. Langton, Director of Extension of the Holstein-Friesian Association of Canada, "I have never before examined a cow with such fine texture and quality of udder."

The previous world record for yearly production of milk on twice-a-day milking was 29,052 lbs., made by Pontiac Dutchland DeVries in the herd of Byron Rath, Mossley, Ont., in 1934. The former world champion for fat was the American cow, Winterthur Posch Donsegis Nobsgirl, owned by Winterthur Farms, Delaware, with 1,079 lbs. The Canadian champion for fat was Popular Pontiac Abbekerk, owned by Elliott Bros., Woodstock, Ont., with 1,050 lbs. as a senior four-year-old. All of the above animals are Holsteins.

"Peg" was bred by Porter Bros., Richmond Hill, Ont. Her sire is by Lonelm Rag Apple Baron C., from the Lonelm herd of Master Breeder George C. Jackson, Downsview, Ont., while her dam is a grand-daughter of Sir Franci Mercena Burke, who was a three-time All-American winner for D. A. McPhee, Vankleek Hill, Ont.

On completion of "Peg's" record, she was jointly purchased by Hays & Co., Calgary, and Rockwood Holsteins, St. Norbert, Manitoba. It is expected that she will be given an opportunity on four-time milking and great things are hoped for from her by the Holstein fraternity.

R. H. M. Bailey, of Edmonton, was re-elected president of the dairy farmers of Canada at a meeting of directors which followed the annual meeting. R. S. Stanley, Edmonton, and F. J. Goodman, Winnipeg, were named to the executive of the organization. V. S. Milburn, Toronto, resigned as secretary and will be succeeded by Erle Kitchen, Woodstock, Ont.

Two Records Milking



ROSES FOR PEG

When the REVIEW's March "cover girl", Doncrest Peg Top Burke, completed her world's record production of milk and butterfat at her former Ontario home, an admirer presented this bouquet of roses to the champion and Herdsman Sam Adams, who milked her throughout the year.

Starting on test as a five-year-old, Peg gave the equivalent of 12,775 quarts of milk, or 17 times her own weight in milk in the year on twice-a-day milking.

Master Breeder Shield Honors Outstanding Production By Hays

HAYS & Co., Calgary, received the highest honor that it is within the power of the Holstein-Friesian Association of Canada to bestow, when Harry Hays, representing the firm, was presented with a Master Breeder shield at the association's annual meeting held February 14, in Toronto.

To qualify for the title of Master Breeder, the internationally famous Hays herd bred 29 Class XX bulls, 10 Very Good, 17 Gold Medal, 19 Good Plus and 17 Excellent cows. All of the females have production records at least one-third above the amount required to qualify in the Dominion Record of Performance. In addition to these, they have bred one Very Good, 6 Gold Medal, 12 Good Plus and 5 Excellent cows that have not fulfilled the stringent Master Breeder production requirements.

For years recognized as one of Canada's top Holstein herds for both show type and production, the Hays herd was started in 1912, the original foundation cattle being secured from Wisconsin and Ontario. The president is Dr. T. E. Hays, with sons, Harry and Jack, as manager and barn superintendent, respectively, and Lloyd Pickard in charge of sales. At present they carry around 300 head and farm 1,000 acres.

Follow Line-Breeding

In the words of Harry Hays, the aim of their breeding program has been, "To line-breed through outstanding sires, a herd of cows that are full in the heart, large in size, with smoothness and strength throughout, and carrying well-balanced, easy-milking udders—cows that will stand up under year after year production and reproduction, and be a pleasure to work with." How successful they have been in fulfilling this aim is indicated by the fact that 25 Hays cows have life-time records of over 100,000

(Continued on page 37)